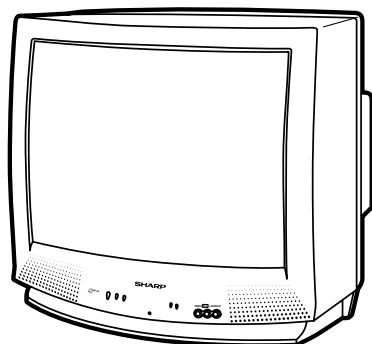


SHARP**SERVICE MANUAL**

S79J927L-S500

**COLOR TELEVISION****Chassis No. SN-84****27L-S500, 27L-X2000
MODELS CL27S50, CL27X200**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

CONTENTS

	Page
• ELECTRICAL SPECIFICATIONS	1
• IMPORTANT SERVICE SAFETY PRECAUTION	2
• LOCATION OF USER'S CONTROL	6
• INSTALLATION AND SERVICE INSTRUCTIONS	8
• CHASSIS LAYOUT	16
• BLOCK DIAGRAM	20
• SCHEMATIC DIAGRAMS	24
• PRINTED WIRING BOARD ASSEMBLIES	40
• REPLACEMENT PARTS LIST	46
• PACKING OF THE SET	63

ELECTRICAL SPECIFICATIONS

POWER INPUT 120 V AC 60 Hz

POWER RATING

27L-S500, CL27S50 130 W

27L-X2000, CL27X200 135 W

PICTURE SIZE 2,187 cm² (339 sq inch)

CONVERGENCE Magnetic

SWEEP DEFLECTION Magnetic

FOCUS Hi-Bi-Potential Electrostatic

INTERMEDIATE FREQUENCIES

Picture IF Carrier Frequency 45.75 MHz

Sound IF Carrier Frequency 41.25 MHz

Color Sub-Carrier Frequency 42.17 MHz

(Nominal)

AUDIO POWER

OUTPUT RATING 1.3W + 1.3W (at 10% distortion and
Dual CH Operate)

SPEAKER

SIZE 8 cm (Round)

VOICE COIL IMPEDANCE 8 ohm at 400 Hz

ANTENNA INPUT IMPEDANCE

VHF/UHF 75 ohm Unbalanced

TUNING RANGES

VHF-Channels 2 thru 13

UHF-Channels 14 thru 69

CATV Channels 1 thru 125

(EIA, Channel Plan U.S.A.)

Specifications are subject to change without prior notice.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

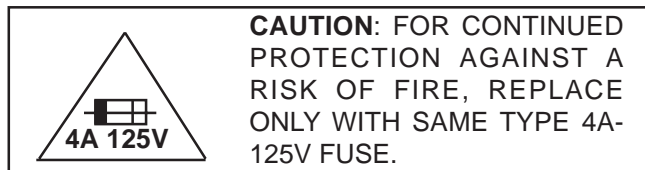
IMPORTANT SERVICE SAFETY PRECAUTION

■ **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.
3. Semiconductor heat sinks are potential shock hazards when the chassis is operating.
4. The chassis in this receiver has two ground systems which are separated by insulating material. The non-isolated (hot) ground system is for the B+ voltage regulator circuit and the horizontal output circuit. The isolated ground system is for the low B+ DC voltages and the secondary circuit of the high voltage transformer.

To prevent electrical shock use an isolation transformer between the line cord and power receptacle, when servicing this chassis.



SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove the static charge by connecting a 10k ohm resistor in series with an insulated wire (such as a test probe) between the picture tube ground and the anode lead. (AC line cord should be disconnected from AC outlet.)

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage anode completely.

X-RADIATION AND HIGH VOLTAGE LIMITS

1. Be sure all service personnel are aware of the procedures and instructions covering X-radiation. The only potential source of X-ray in current solid state TV receivers is the picture tube. However, the picture tube does not emit measurable X-Ray radiation, if the high voltage is as specified in the "High Voltage Check" instructions. It is only when high voltage is excessive that X-radiation is capable of penetrating the shell of the picture tube including the lead in the glass material. The important precaution is to keep the high voltage below the maximum level specified.
2. It is essential that servicemen have available at all times an accurate high voltage meter. The calibration of this meter should be checked periodically.
3. High voltage should always be kept at the rated value -no higher. Operation at higher voltages may cause a failure of the picture tube or high voltage circuitry and;also, under certain conditions, may produce radiation in exceeding of desirable levels.
4. When the high voltage regulator is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be tested while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. Do not use a picture tube other than that specified or make unrecommended circuit modifications to the high voltage circuitry.
6. When trouble shooting and taking test measurements on a receiver with excessive high voltage, avoid being unnecessarily close to the receiver.
Do not operate the receiver longer than is necessary to locate the cause of excessive voltage.

IMPORTANT SERVICE SAFETY PRECAUTION

(Continued)

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

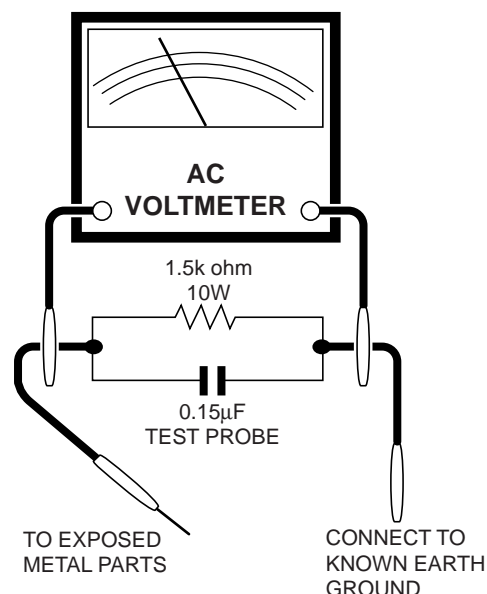
Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators and etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 120 volt AC outlet, (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
 - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor.

- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon and etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC ine cord plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these check.)

Any current measured must not exceed 0.5 milliamp. Any measurements not within the limits outlined above indicate of a potential shock hazard and corrective action must be taken before returning the instrument to the customer.



SAFETY NOTICE

Many electrical and mechanical parts in television receivers have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage and etc. Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠" and shaded areas in the Replacement Parts Lists and Schematic Diagrams.

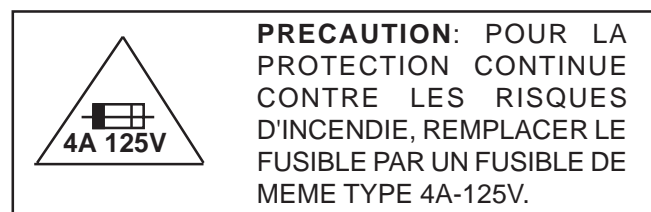
For continued protection, replacement parts must be identical to those used in the original circuit. The use of substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire, X-radiation or other hazards.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

- **Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.**

AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.
3. Les déversoirs thermiques à semi-conducteurs peuvent présenter un danger de choc électrique lorsque le récepteur est en marche.
4. Le châssis de ce récepteur possède deux systèmes de masse qui sont séparées par du matériel d'isolation. Le système de masse non-isolée (sous tension) est pour le circuit du régulateur de tension B+ et le circuit de sortie horizontale. Le système de masse isolée est pour les tensions DC B+ basses et le circuit secondaire du transformateur haute tension. Pour éviter tout risque d'électrocution lors de l'entretien de ce châssis, utiliser un transformateur d'isolation entre le cordon de ligne et la prise de courant.



REPARATION DU SYSTEME A HAUTE TENSION ET DU TUBE-IMAGE

Lors de la réparation de ce système, supprimer la charge statique en branchant une résistance de 10 k Ω en série avec un fil isolé (comme une sonde d'essai) entre la mise à la terre du tube-image et le fil d'anode. (Le cordon d'alimentation doit être retiré de la prise murale.)

1. Le tube image dans ce récepteur emploie une protection intégrée contre l'implosion.
2. Par mesure de sécurité, changer le tube-image pour un tube du même numéro de type.
3. Ne pas lever le tube-image par son col.
4. Ne manipuler le tube-image qu'en portant des lunettes incassables et qu'après avoir déchargé totalement la haute tension.

LIMITES DES RADIATIONS X ET DE LA HAUTE TENSION

1. Tout le personnel réparateur doit être instruit des instructions et procédés relatifs aux radiations X. Le tube-image, seule source de rayons X dans les téléviseurs transistorisés, n'émet pourtant pas de rayons mesurables si la haute tension est maintenue à un niveau préconisé dans la section "Vérification de la haute tension". C'est seulement quand la haute tension est excessive que les rayons X peuvent entrer dans l'enveloppe du tube-image y compris le conducteur de verre. Il est important de maintenir la haute tension en-dessous du niveau spécifié.
2. Il est essentiel que le réparateur ait sous la main un voltmètre à haute tension qui doit être périodiquement étalonné.
3. La haute tension doit toujours être maintenue à la valeur de régime -et pas plus haute. L'opération à des tensions plus élevées peut entraîner une panne du tube-image ou du circuit à haute tension et, dans certaines conditions, peut entraîner une radiation dépassant les niveaux prescrits.
4. Quand le régulateur à haute tension fonctionne correctement, il n'y a aucun problème de radiation X. Chaque fois qu'un châssis couleurs est réparé, la luminosité doit être examinée tout en contrôlant la haute tension à l'aide d'un voltmètre pour s'assurer que la haute tension ne dépasse pas la valeur spécifiée et qu'elle soit correctement réglée.
5. Ne pas utiliser un tube-image autre que celui spécifié et ne pas effectuer de modifications déconseillées du circuit à haute tension.
6. Lors de la recherche des pannes et des mesures d'essai sur un récepteur qui présente une haute tension excessive, éviter de s'approcher inutilement du récepteur.
Ne pas faire fonctionner le récepteur plus longtemps que nécessaire pour localiser la cause de la tension excessive.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

(Suite)

VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

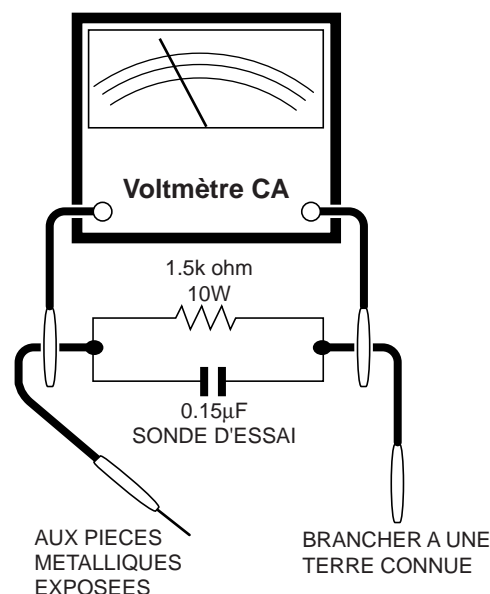
Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

1. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
2. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistance-capacité, les isolateurs mécaniques, etc.
3. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la façon suivante:
 - Brancher le cordon d'alimentation directement à une prise de courant de 120V. (Ne pas utiliser de transformateur d'isolation pour cet essai).
 - A l'aide de deux fils à pinces, brancher une résistance de 1,5 k Ω 10 watts en parallèle avec un condensateur de 0,15 μ F en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
 - Utiliser un voltmètre CA d'une sensibilité d'au moins 5000W/V pour mesurer la chute de tension en travers de la résistance.

- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adaptation non polarisée peut être utilisée dans le but de terminer ces vérifications.)

Tous les courants mesurés ne doivent pas dépasser 0,5 mA.

Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseurs présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont

identifiées par la marque " ⚠ " et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.

Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

LOCATION OF USER'S CONTROL (27L-S500, CL27S50)

Front Panel

POWER

Press → On.
Press again → Off.

VOLUME UP/DOWN

(+) Increases sound.
(-) Decreases sound.

SENSOR AREA FOR REMOTE CONTROL

VIDEO/AUDIO IN 2 TERMINALS

(VIDEO/AUDIO terminals are also provided on the rear.)

CHANNEL UP/DOWN

(▲) Selects next higher channel.
(▼) Selects next lower channel.

Basic Remote Control Functions

POWER

Press → On.
Press again → Off.

REMOTE KEYPAD

Accesses any channel from keypad.

FLASHBACK

Returns to previous channel.

PERSONAL PREFERENCE

With the Personal Preference buttons, you can program your favorite programs by using the 4 categories A, B, C and D. The channels can be accessed quickly by using these buttons.

VOLUME UP/DOWN

(+) Increases sound.
(-) Decreases sound.
• In menu mode, changes or selects the TV adjustments.

TV-CATV MODE SELECT SWITCH

In TV position, sends power and channel select commands (Channel up/down and Random Access buttons) to the TV.
In CATV position, sends power and channel select commands to a cable TV converter.

VCR CONTROL

DISPLAY

Press → Display receiving channel for 4 seconds.
Press again → Displays remaining time of SLEEP TIMER and VIEW TIMER.
Press 3 times → Temporarily displays receiving channel when in Closed Caption mode.

Infrared Transmitter Window

INPUT

Press → Switch to external video INPUT 1 mode.
Press again → Switch to external video INPUT 2 mode.
Press 3 times → Switch back to the original TV mode.

ENTER

Used in some instances where a VCR or Cable Converter Box requires an "enter" command after selecting channels, when using the REMOTE KEYPAD button.

CHANNEL UP/DOWN

(▲) Selects next higher channel.
(▼) Selects next lower channel.
• Moves the "►" mark of the MENU screens.

MENU

Press → Accesses MAIN MENU.
Press again → Exits MAIN MENU.

MUTE

Press → Mutes sound.
Press again → Restores sound.
• CLOSED CAPTION appears when sound is muted.

PIP FUNCTION

With the VIDEO inputs, you can watch two pictures at the same time.

Note:

- The above shaded buttons on the Remote Control glow in the dark. To use the glow-in-the-dark display on the remote control, place it under a fluorescent light or other lighting.
- The phosphorescent material contains no radioactive or toxic material, so it is safe to use.
- The degree of illumination will vary depending on the strength of lighting used.
- The degree of illumination will decrease with time and depending on the temperature.
- The time needed to charge the phosphorescent display will vary depending on the surrounding lighting.
- Sunlight and fluorescent lighting are the most effective when charging the display.

LOCATION OF USER'S CONTROL (Continued)

(27L-X2000, CL27X200)

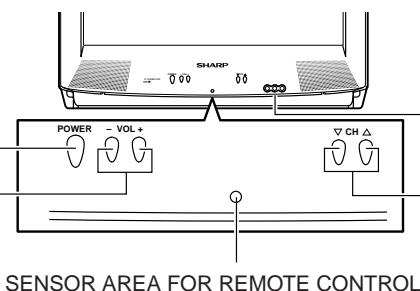
Front Panel

POWER

Press → On.
Press again → Off.

VOLUME UP/DOWN

(+) Increases sound.
(-) Decreases sound.



VIDEO/AUDIO IN 2 TERMINALS

(VIDEO/AUDIO terminals are also provided on the rear.)

CHANNEL UP/DOWN

(▲) Selects next higher channel.
(▼) Selects next lower channel.

Basic Remote Control Functions

POWER

Press → On.
Press again → Off.

REMOTE KEYPAD

Accesses any channel from keypad.

FLASHBACK

Returns to previous channel.

PERSONAL PREFERENCE

With the Personal Preference buttons, you can program your favorite programs by using the 4 categories A, B, C and D. The channels can be accessed quickly by using these buttons.

VOLUME UP/DOWN

(+) Increases sound.
(-) Decreases sound.
• In menu mode, changes or selects the TV adjustments.

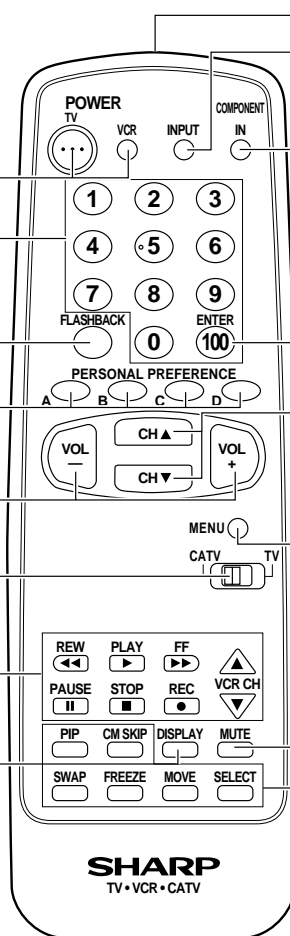
TV-CATV MODE SELECT SWITCH

In TV position, sends power and channel select commands (Channel up/down and Random Access buttons) to the TV.
In CATV position, sends power and channel select commands to a cable TV converter.

VCR CONTROL

DISPLAY

Press → Display receiving channel for 4 seconds.
Press again → Displays remaining time of SLEEP TIMER and VIEW TIMER.
Press 3 times → Temporarily displays receiving channel when in Closed Caption mode.



Infrared Transmitter Window

INPUT

Press → Switch to external video INPUT 1 mode.
Press again → Switch to external video INPUT 2 mode.
Press 3 times → Switch to external video INPUT 3 mode.
Press 4 times → Switch back to the original TV mode.

COMPONENT INPUT

Used to select On or Off a DTV or DVD when you connect to Component Input Terminals.

ENTER

Used in some instances where a VCR or Cable Converter Box requires an "enter" command after selecting channels, when using the REMOTE KEYPAD button.

CHANNEL UP/DOWN

(▲) Selects next higher channel.
(▼) Selects next lower channel.
• Moves the "▶" mark of the MENU screens.

MENU

Press → Accesses MAIN MENU.
Press again → Exits MAIN MENU.

MUTE

Press → Mutes sound.
Press again → Restores sound.
• CLOSED CAPTION appears when sound is muted.

PIP FUNCTION

With the VIDEO inputs, you can watch two pictures at the same time.

Note:

- The above shaded buttons on the Remote Control glow in the dark. To use the glow-in-the-dark display on the remote control, place it under a fluorescent light or other lighting.
- The phosphorescent material contains no radioactive or toxic material, so it is safe to use.
- The degree of illumination will vary depending on the strength of lighting used.
- The degree of illumination will decrease with time and depending on the temperature.
- The time needed to charge the phosphorescent display will vary depending on the surrounding lighting.
- Sunlight and fluorescent lighting are the most effective when charging the display.

INSTALLATION AND SERVICE INSTRUCTIONS

- Note:** (1) When performing any adjustments to resistor controls and transformers use non-metallic screwdrivers or TV alignment tools.
(2) Before performing adjustments, the TV set must be on at least 15 minutes.

CIRCUIT PROTECTION

The receiver is protected by a 4.0A fuse (F701), mounted on PWB-A, wired into one side of the AC line input.

X-RADIATION PROTECTOR CIRCUIT TEST

After service has been performed on the horizontal deflection system, high voltage system, B+ system, test the X-Radiation protection circuit to ascertain proper operation as follows:

1. Apply 120V AC using a variac transformer for accurate input voltage.
2. Allow for warm up and adjust all customer controls for normal picture and sound.
3. Receive a good local channel.
4. Connect a digital voltmeter to TP653 and make sure that the voltmeter reads $8.9 \pm 0.5V$.
5. Apply external 10.9V DC at TP653 by using an external DC supply, TV must be shut off.
6. To reset the protector, unplug the AC cord. Now make sure that normal picture appears on the screen.
7. If the operation of the horizontal oscillator does not stop in step 5, the circuit must be repaired before the set is returned to the customer.

HIGH VOLTAGE CHECK

High voltage is not adjustable but must be checked to verify that the receiver is operating within safe and efficient design limitations as specified checks should be as follows:

1. Connect an accurate high voltage meter between ground and anode of picture tube.
2. Operate receiver for at least 15 minutes at 120V AC line voltage, with a strong air signal or a properly tuned in test signal.
3. Enter the service mode and select the service adjustment "S21" and Bus data "01" (Y-mute on).
4. The voltage should be approximately, 28.1kV (at zero beam).

If a correct reading cannot be obtained, check circuitry for malfunctioning components. After the voltage test, make Y-mute off to the normal mode.

For adjustments of this model, the bus data is converted to various analog signals by the D/A converter circuit.

Note: There are still a few analog adjustments in this series such as focus and master screen voltage. Follow the steps below whenever the service adjustment is required. See "Table-C" to determine, if service adjustments are required.

1. Service mode

Before putting unit into the service mode, check that customer adjustments are in the normal mode. Use the reset function in the video adjustment menu to ensure customer controls are in their proper (reset) position.

2. Service number selection

Once in the service mode, press the Ch-up or Ch-down button on the remote controller or at the set. The service adjustment number will vary in increments of one, from "S01" to "I10". Select the item you wish to adjust.

3. Data number selection

Press the Vol-up or down button to adjust the data number.

To enter the service mode and exit service mode.

While pressing the Vol-up and Ch-up buttons at the sametime, plug the AC cord into a wall socket. Now the TV set is switched on and enters the service mode.

To exit the service mode, turn the television off by pressing the power button.

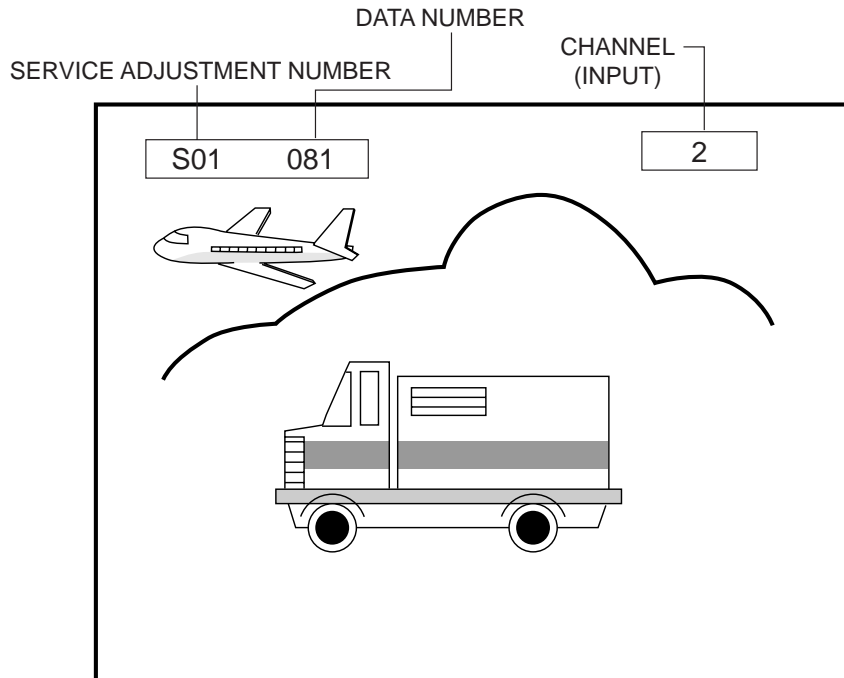


Figure A.

- To call up the service mode, hold down the CH UP and VOL UP keys of the unit at once and plug the AC power cord into a wall outlet. The unit switches on and comes in the service mode.
- Now hold down both the CH UP and CH DOWN keys of the unit for 2 seconds or longer. The above default values are written in the EEPROM.

SERVICE No.	ADJUSTMENT ITEM	VARIABLE DATA RANG	INITIAL VALUE	FIXED VALUE	INPUT CONDITIONS	CONTROL DESTINATION
S01	PICTURE HEIGHT	0 ~ 127	71		RF signal input (or EXT. Video input)	Deflection processor IC (IC502) adjusted
S02	V-LINEARITY	0 ~ 31	27		"	"
S03	V-CORRECTION	0 ~ 63	40	40	"	"
S04	PICTURE WIDTH	0 ~ 63	50	45	"	"
S05	E-W PARABOLA	0 ~ 63	15	32	"	"
S06	E-W CORNER	0 ~ 31	13	16	"	"
S07	TRAPEZIUM	0 ~ 127	65	64	"	"
S08	AGC SW	0 ~ 1	1	1	"	"
S09	PICTURE(SUB CONTRAST)	0 ~ 31	20		"	VCJ IC (IC401) adjusted
S10	TINT	0 ~ 63	31		"	"
S11	COLOR(SUB COLOR)	0 ~ 31	15		"	"
S12	BRIGHT(BRIGHTNESS)	0 ~ 101	58		"	"
S13	SHARP(SHARPNESS)	0 ~ 27	5	3	"	"
S14	V-POSITION	0 ~ 7	0	0	"	"
S15	H-POSITION	0 ~ 31	17		"	"
S16	R CUT-OFF	0 ~ 255	64		"	"
S17	G CUT-OFF	0 ~ 255	64		"	"
S18	B CUT-OFF	0 ~ 255	64		"	"
S19	G(R) DRIVE	0 ~ 127	64		"	"
S20	B DRIVE	0 ~ 127	64		"	"
S21	Y-MUTE/V-OFF	0 ~ 2	0	0	"	00: Normal, 01: Y-mute, 03: Horizontal Y-mute
S22	Y-γ CURVE	0 ~ 3	3	3	"	VCJ IC (IC401) adjusted
S23	VSM PHASE	0 ~ 3	2	3	"	"
S24	APACON PEAK f0	0 ~ 7	1	1	"	"
S25	DC RESTORATION RATE	0 ~ 3F	21	21	"	"
S26	DC RESTORATION LIMIT	0 ~ 3	0	3	"	"
S27	BLACK STRETCH POINT	0 ~ 7	3	3	"	"
S28	APL VS BPS	0 ~ 3	1	1	"	"
S29	B.L.C.	0 ~ 1	1	1	"	"
S30	DYNAMIC ABL POINT	0 ~ 7	4	0	"	"
S31	DYNAMIC ABL GAIN	0 ~ 7	4	7	"	"
S32	ABL POINT	0 ~ 7	3	3	"	"
S33	ABL GAIN	0 ~ 7	3	2	"	"
S34	Y-DL	0 ~ 1	0	0	"	"
S35	TOF-f0	0 ~ 7	7	7	"	"
S36	TOF-Q	0 ~ 7	4	4	"	"
S37	VSM GAIN	0 ~ 3	1	3	"	"
S38	OSD SL	0 ~ 1	0	1	"	"

SERVICE No.	ADJUSTMENT ITEM	VARIABLE DATA RANG	INITIAL VALUE	FIXED VALUE	INPUT CONDITIONS	CONTROL DESTINATION
S39	C-DECODE	0 ~ 255	161	<u>161</u>	"	"
S40	OSD POSITION	0 ~ 15	11		"	C.C. display positioning
S41	ENERGY SAVE	0 ~ 31	10	0	"	VCJ IC (IC401) adjusted
S42	VIDEO TINT	0 ~ 63	26		"	"
M01	INPUT LEVEL (ATT)	0 ~ 15	7		"	MTS IC (IC3001) adjusted
M02	MTS VCO	0 ~ 63	37		"	"
M03	FILTER	0 ~ 63	30		"	"
M04	WIDE BAND	0 ~ 63	35		"	"
M05	SPECTRAL	0 ~ 63	22		"	"
P01	PIP Y-LEVEL(CONTRAST)	0 ~ 127	43		"	P-IN-P adjusted
P02	PIP TINT (TINT)	0 ~ 63	41	41	"	"
P03	PIP COLOR(COLOR_SAT)	0 ~ 127	55		RF signal input (TUNER-B)	P-IN-P adjusted
P04	Y-OFFSET(Y_OFFSET)	0 ~ 31	9	9	"	"
P05	PIP H-POSI(HXA)	0 ~ 255	10	10	"	"
P06	BGP(HADJ)	0 ~ 15	0	<u>0</u>	"	"
P07	FREE RUN(FREE_RUN_ADJ)	0 ~ 15	11	11	"	"
C01	PICTURE-C(SUB CONTRAST)	0 ~ 31	20	13	Component signal input	VCJ IC (IC401) adjusted
C02	TINT-C	0 ~ 27	21	21	"	"
C03	COLOR-C(SUB COLOR)	0 ~ 31	15	3	"	"
C04	BRIGHT-C(BRIGHTNESS)	0 ~ 101	58		"	"
C05	SHARP-C(SHARPNESS)	0 ~ 27	0	0	"	"
C06	V-POSITION-C	0 ~ 7	0	<u>0</u>	"	"
C07	H-POSITION-C	0 ~ 31	19		"	"
C08	R CUT-OFF-C	0 ~ 255	64		"	"
C09	G CUT-OFF-C	0 ~ 255	64		"	"
C10	B CUT-OFF-C	0 ~ 255	64		"	"
C11	G(R) DRIVE-C	0 ~ 127	64		"	"
C12	B DRIVE-C	0 ~ 127	64		"	"
C13	VSM GAIN-C	0 ~ 3	2	<u>3</u>	"	"
C14	COMP. C-DECODE	0 ~ 255	105	<u>105</u>	"	"

Only for
Models
27L-X2000,
CL27X200

Note 1 : This item is used only at the manufacturing factory.
Do not change the data. (If this setting is changed to "1", the adjustment data may get wrong.)

Table - A

SERVICE NUMBER	ADJUSTMENT ITEM	RANGE	ADJUSTMENT CONTENTS	
			27L-S500, CL27S50	27L-X2000,CL27X200
I01	E-SOUND	0 / 1	0	1
I02	DSE	0 / 1	0	0
I03	SRS	0 / 1	0	1
I04	SRS 32/36, 27	(27) 0 / 1 (32/36)	0	0
I05	A/V IN 3/2	(2) 0 / 1 (3)	0	1
I06	V-CHIP	0 / 1	1	1
I07	PinP	0 / 1	1	1
I08	COMPONENT	0 / 1	0	1
I09	ENGL/ESPA	(ESPA) 0 / 1 (ENGL)	1	1
I10	DSE SHIPPED POSITION	(OFF) 0 / 1 (MID)	0	0

Table - B

Holding down both the CH-up/down buttons on the TV set at service mode for more than 2 seconds will automatically write the above initial values into IC1501.

PART REPLACED	ADJUSTMENT		NOTES
	NECESSARY	UNNECESSARY	
IC2001		X	Data is stored in IC1501.
IC401	X		The adjustment is needed to compensate for characteristics of parts including IC401.
IC1501	X		Holding down both the CH-up/down buttons on the TV set in the service mode for more than 2 seconds will automatically write the above initial values into IC1501. Then perform a complete adjustment.
CRT	X		Adjust items related to picture tube only.
IC3001	X		Adjust items related to MTS only (M01~M05).
IC1801	X		Adjust items related to P-IN-P only (P01~P07).

Table - C

■ SERVICE ADJUSTMENT

Entering The Fixed Values

1. Before starting all the adjustments, enter the fixed values listed in **Table - A**.

Screen Adjustment

1. Feed the B/W pattern signal from the signal generator.
2. Set the S21 bus data to "01" to get the Y signal mute.
3. Adjust the S16(R), S17(G) and S18(B) settings to Step "64".
4. Fix the S12 setting to the data 45.
5. Adjust the SCREEN control until the raster becomes as dim as possible and just visible.
6. Select a luminance-short gun, and adjust the bus data of S16(R), S17(G) or S18(B) to have the luminance at the white level.
7. Adjust the SCREEN control again to cut off the CRT.
8. Set the S21 bus data to "00" to deactivate the Y signal mute.

White Balance Adjustment

White balance adjustment of composite signal input

1. Feed the B/W pattern signal via the video input terminal from the signal generator.
2. Adjust the "S19" and "S20" settings to obtain the specified white level.

White balance adjustment of component signal input (Only for Models 27L-X2000, CL27X200)

1. Feed the B/W pattern signal via the component signal input Y terminal from the signal generator.
2. Set the S21 bus data to "01" to get the Y signal mute.
3. Adjust the C08(R), C09(G) and C10(B) settings to step "64".
4. Select a luminance-short gun, and adjust the bus data of C08(R), C09(G) or C10(B) to have the luminance at the white level.
5. Adjust the "C11" and "12" settings to obtain the specified white level.

Sub-Picture Adjustment

1. Receive a good local channel.
2. Make sure the customer picture control is set to maximum.
3. Enter the service mode and select the service adjustment "S09".
4. Adjust the data value to achieve normal contrast range.

Sub-Tint Adjustment

1. Receive a good local channel.
2. Set customer tint control to center of it's range.
3. Enter the service mode and select the service adjustment "S10".
4. Adjust "S10" data value to obtain normal flesh tones.
5. Reduce the S10 data value by 5 steps. Take the resulting S10 setting as the S42 data.

Sub-Color Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position .
3. Enter the service mode and select service adjustment "S11".
4. Adjust "S11" data value to obtain normal color level.

Sub-Brightness Adjustment

1. Have unit receive a good local channel.
2. Make sure the customer brightness control is set to center position.
3. Enter the service mode and select the service adjustment "S12".
4. Adjust "S12" data value to obtain normal brightness level.
5. Enter the same data value as the "S12" setting to "C04" (27L-X2000, CL27X200).

Vertical Linearity Adjustment

1. Feed the circular or crosshatch pattern signal.
2. Enter the service mode and select the service adjustment "S02".
3. While observing the top and bottom of the screen, adjust "S02" data value to proper vertical linearity.

Vertical Size Adjustment

1. Feed the circular or crosshatch pattern signal.
2. Enter the service mode and select the service adjustment "S01".
3. While observing the top and bottom of the screen, adjust "S01" data value to proper vertical size.

Vertical Phase Adjustment

1. Enter the service mode and select the service adjustment "S14".
2. Adjust data value to "00".

Note: This must be set "00" when changed data retrace line will appear.

Horizontal Position Adjustment

1. Have unit receive a good local channel.
2. Enter the service mode and select the service adjustment "S15".
3. Adjust "S15" data value so that picture is centered.
4. Enter the "S15" setting plus 2 steps to "C07".

Caption Position Adjustment (Horizontal)

1. Have unit receive a good local channel.
2. Enter the service mode and select the service adjustment "S40".
3. A black text box appears on the screen. (see **Figure B.** below)
4. Adjust "S40" data value so that text box is positioned in the center of the screen.

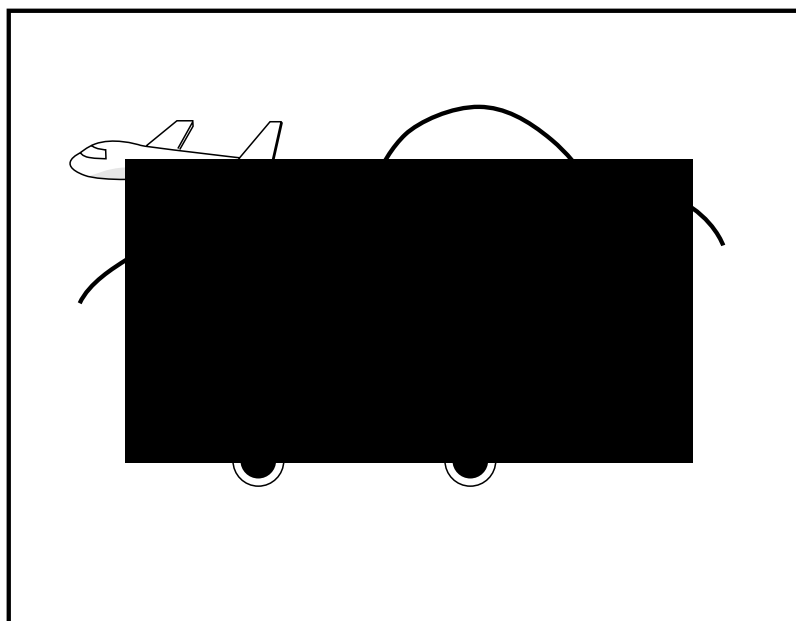


Figure B.

■ MTS ADJUSTMENT

MTS Level Adjustment

1. Feed the following monaural signal to pin (14) of IC3001.
Monaural signal : 300Hz, 245mVrms
2. Connect the rms voltmeter to pin (39) of IC3001.
3. Enter the service mode and select the service adjustment "M01".
4. Adjust the data so that the rms voltmeter reads.
Spec.: $490 \pm 10\text{mVrms}$.

MTS VCO Adjustment

1. Keep the unit in no-signal state.
2. Connect the frequency counter to pin (39) of IC3001.
3. Connect a capacitor (100 μ F, 50V) in between positive(+) side of C3005 and ground.
4. Enter the service mode and select the service adjustment "M02".
5. Adjust the data so that the frequency counter reads.
Spec.: $62.94 \pm 0.75\text{kHz}$.

Filter Adjustment

1. Feed the following stereo pilot signal to pin (14) of IC3001 .
Stereo pilot signal: 9.4kHz, 600mVrms.
2. Enter the service mode and select the service adjustment "M03".
3. Adjust the data at the point where "OK" appears on the screen. The "OK" represents the approximate center of the adjustable range of the data.

Separation Adjustment

1. Connect the rms voltmeter to pin (39) of IC3001.
2. Receive the following composite stereo signal 1.
Composite stereo signal: 30% modulation, left channel only, noise reduction on, 300Hz
3. Enter the service mode and select the service adjustment "M04".
4. Adjust the data until the AC voltage reading of the rms voltmeter is minimum.
5. Receive the following composite stereo signal 2.
Stereo signal: 30% modulation, left channel only, noise reduction on, 3kHz
6. Enter the service mode and select the service adjustment "M05".
7. Adjust the data until the AC voltage reading of the rms voltmeter is minimum.
8. Take the above steps 1 thru 8 again for fine adjustment.

■ P-IN-P ADJUSTMENT

P-IN-P Y Level Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P01".
3. Adjust "P01" data value to obtain normal contrast level.

P-IN-P TINT Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P02".
3. Adjust data value to "41".

P-IN-P Color Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position.
3. Enter the service mode and select service adjustment "P03".
4. Adjust "P03" data value to obtain normal color level.

P-IN-P Y-Off Set Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P04".
3. Adjust data value to "09".

P-IN-P H-Position Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P05".
3. Adjust data value to "10".

P-IN-P Burst Gate Pulse (for MAIN)

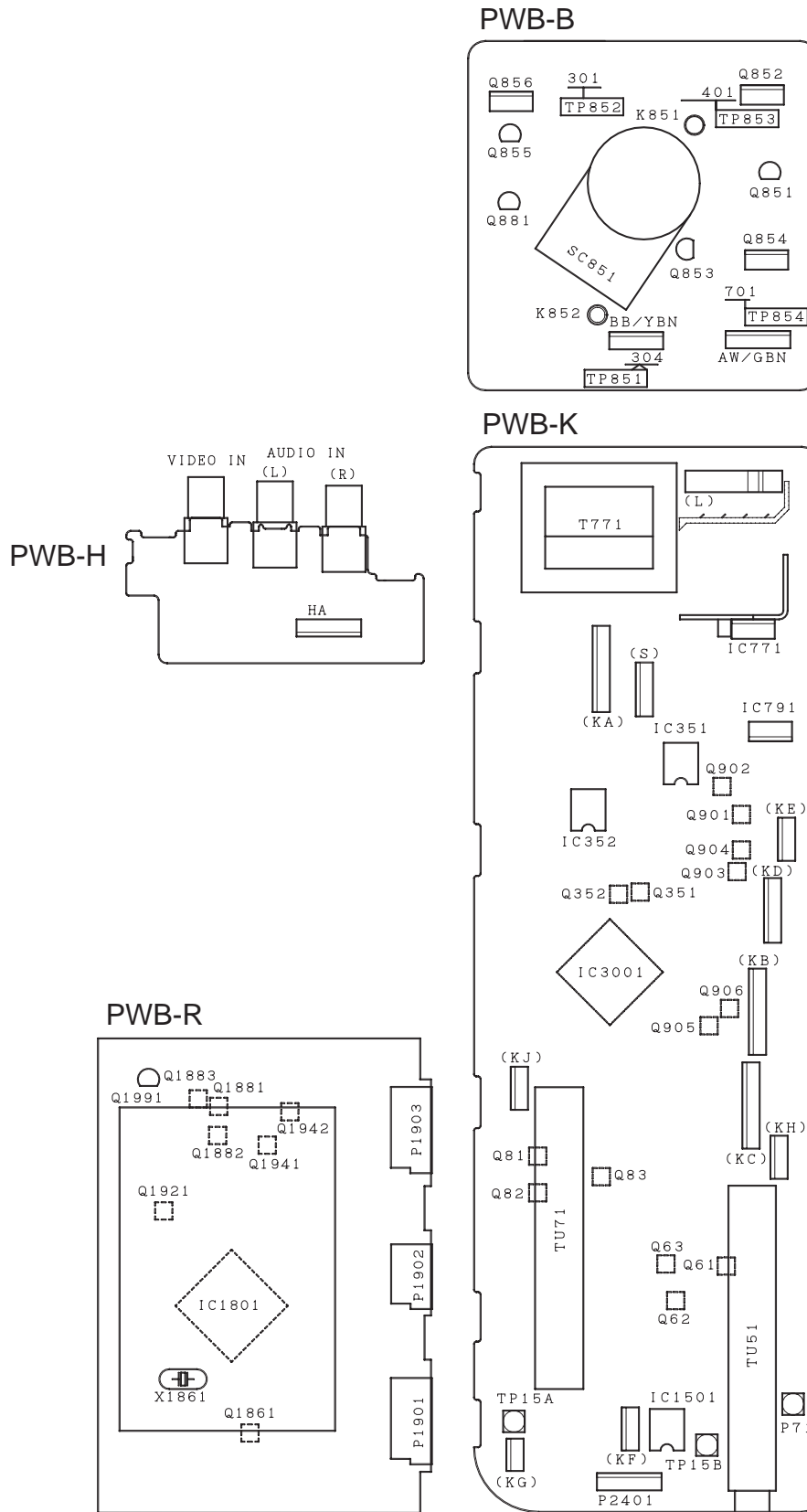
1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P06".
3. Adjust data value to "00".

P-IN-P Free Run

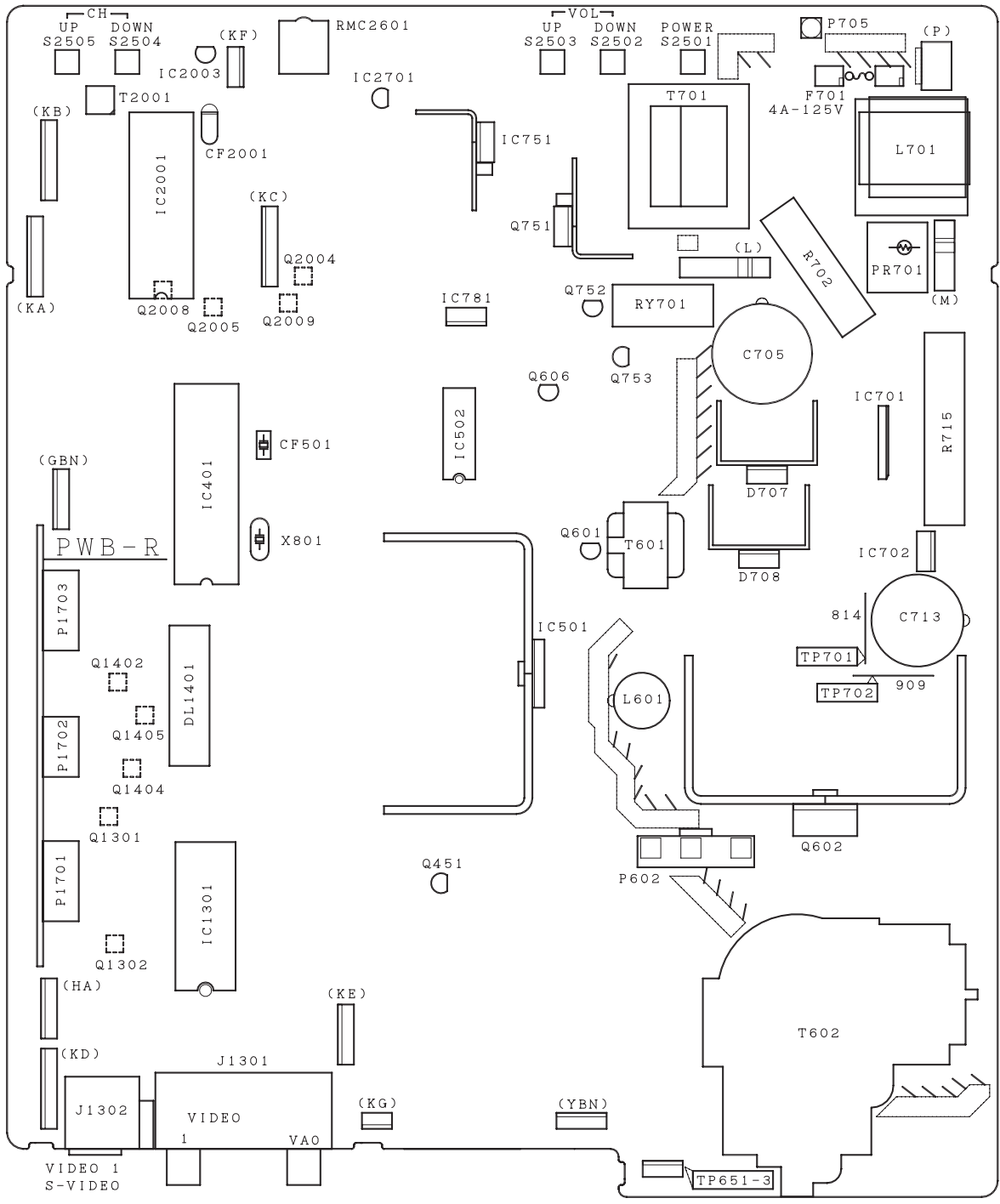
1. Recieve a good local channel.
2. Enter the service mode and select service adjustment "P07".
3. Adjust data value to "11".

MODELS 27L-S500, CL27S50 CHASSIS LAYOUT

H
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D
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A

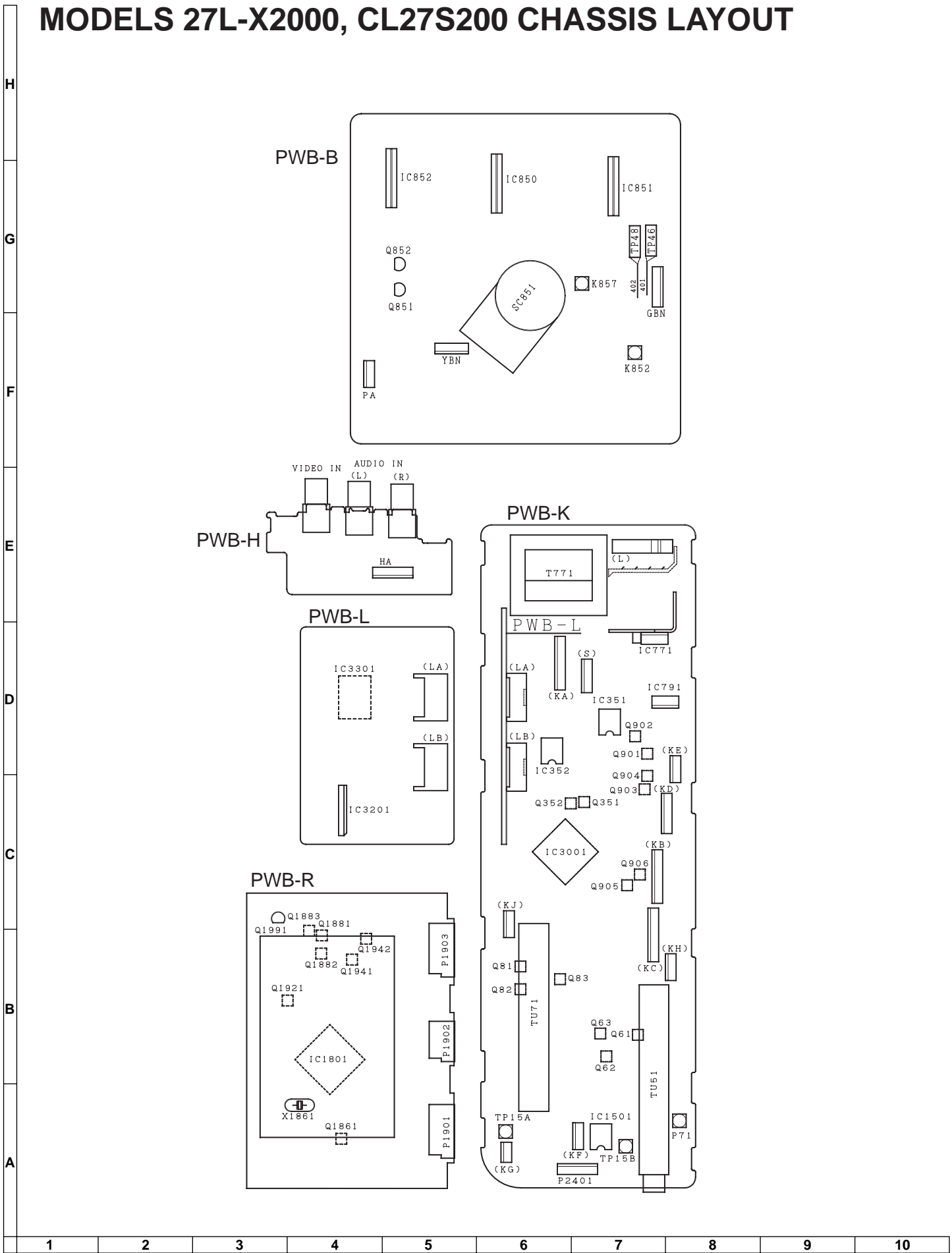


PWB-A

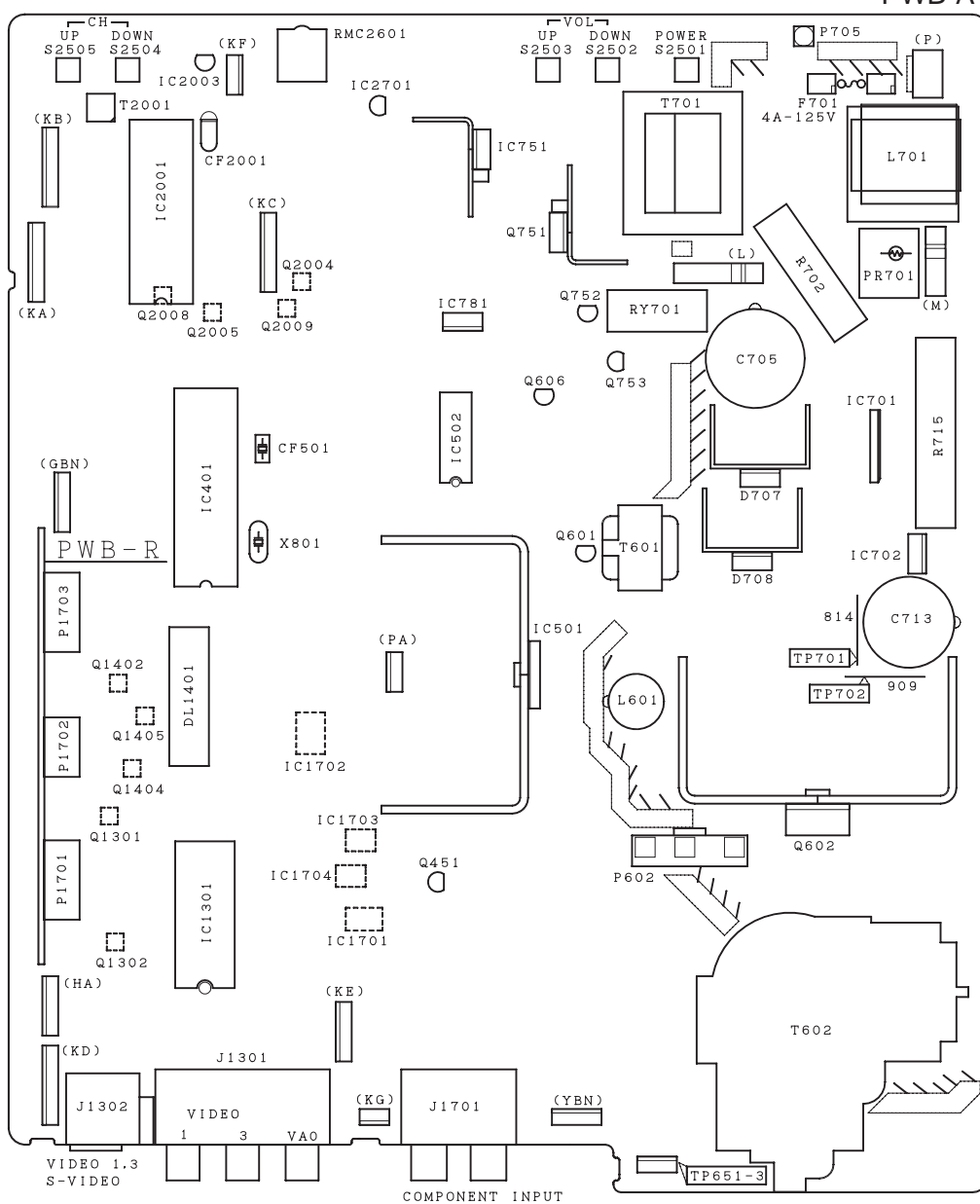


10	11	12	13	14	15	16	17	18	19
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MODELS 27L-X2000, CL27S200 CHASSIS LAYOUT

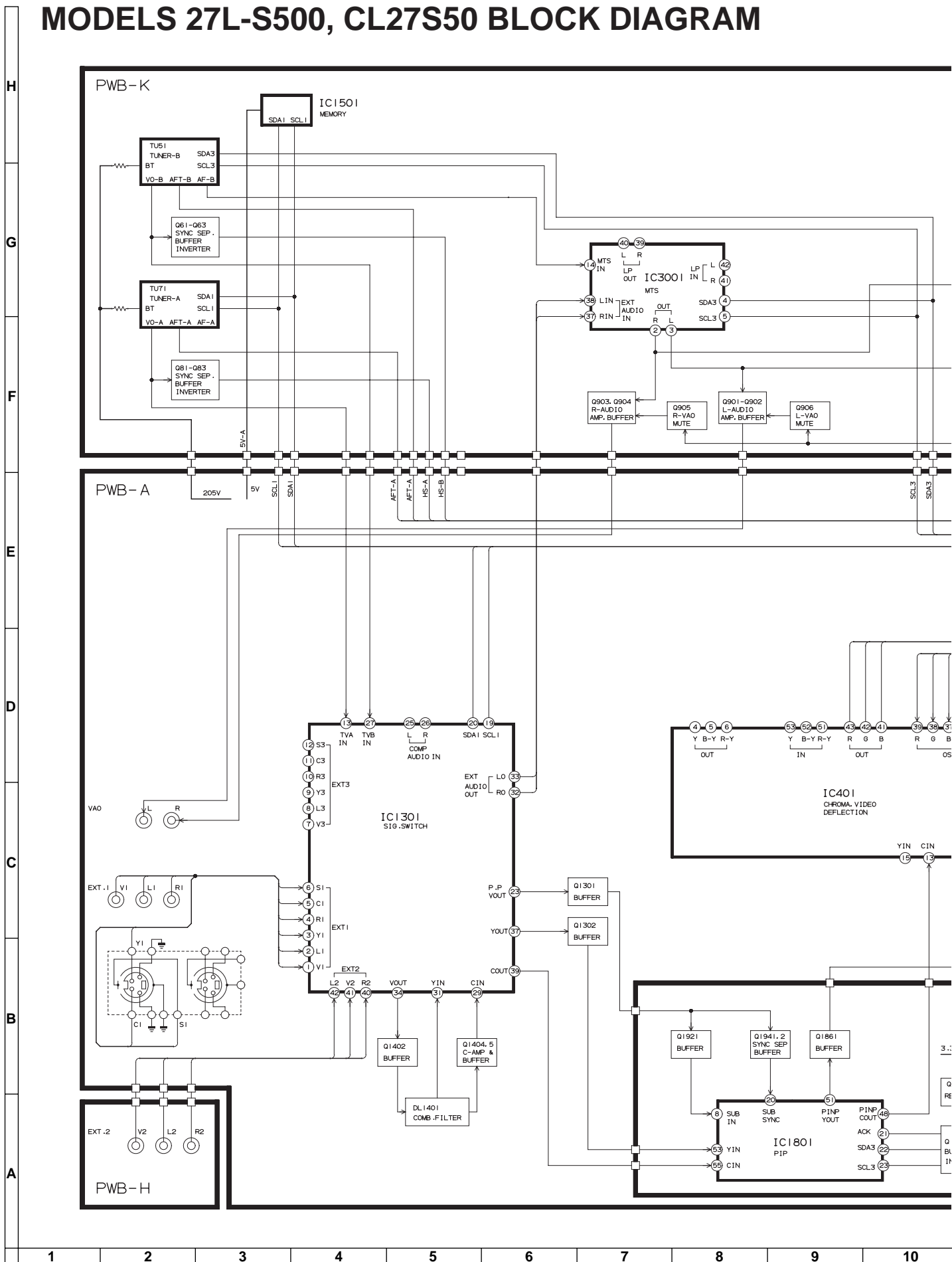


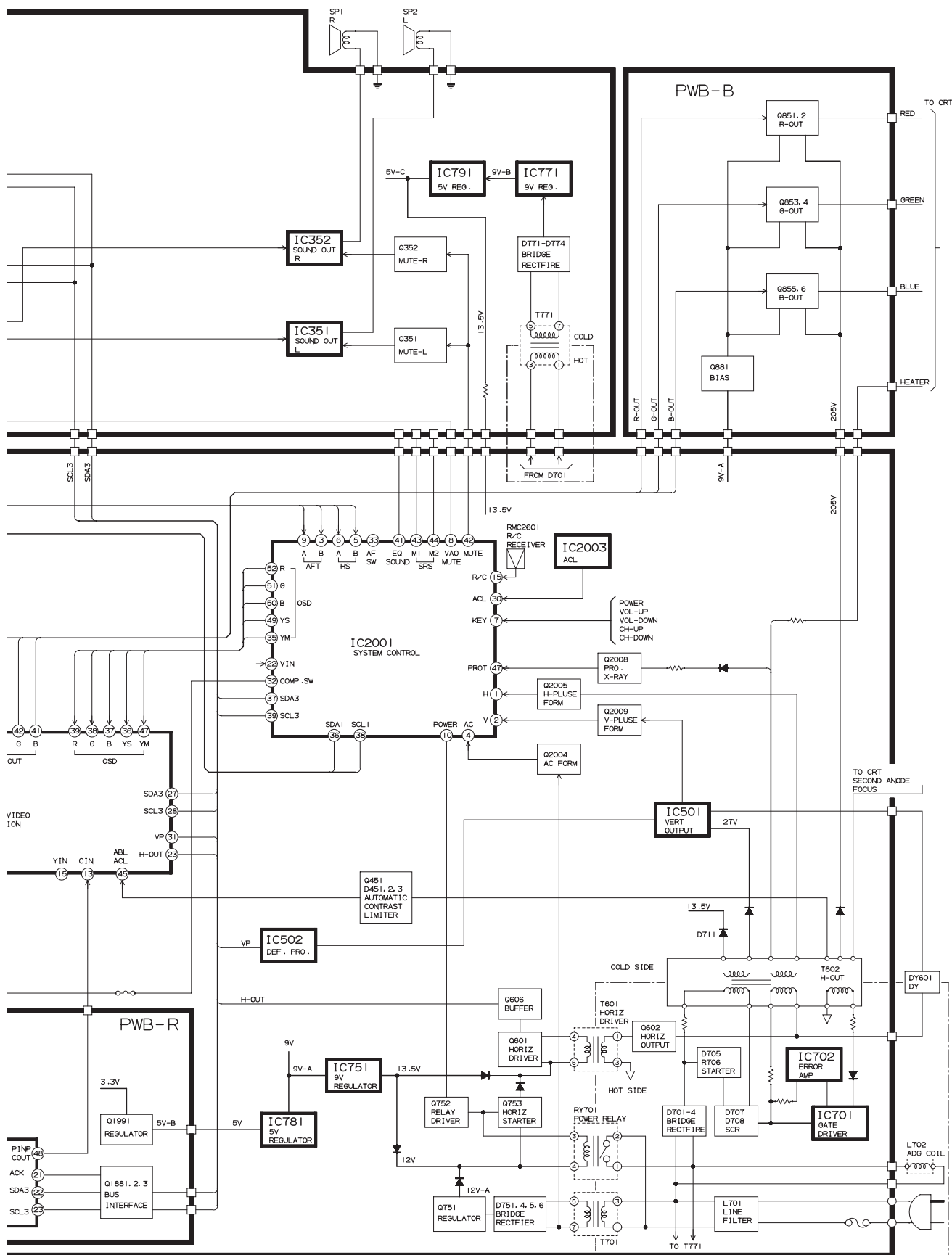
PWB-A



10	11	12	13	14	15	16	17	18	19
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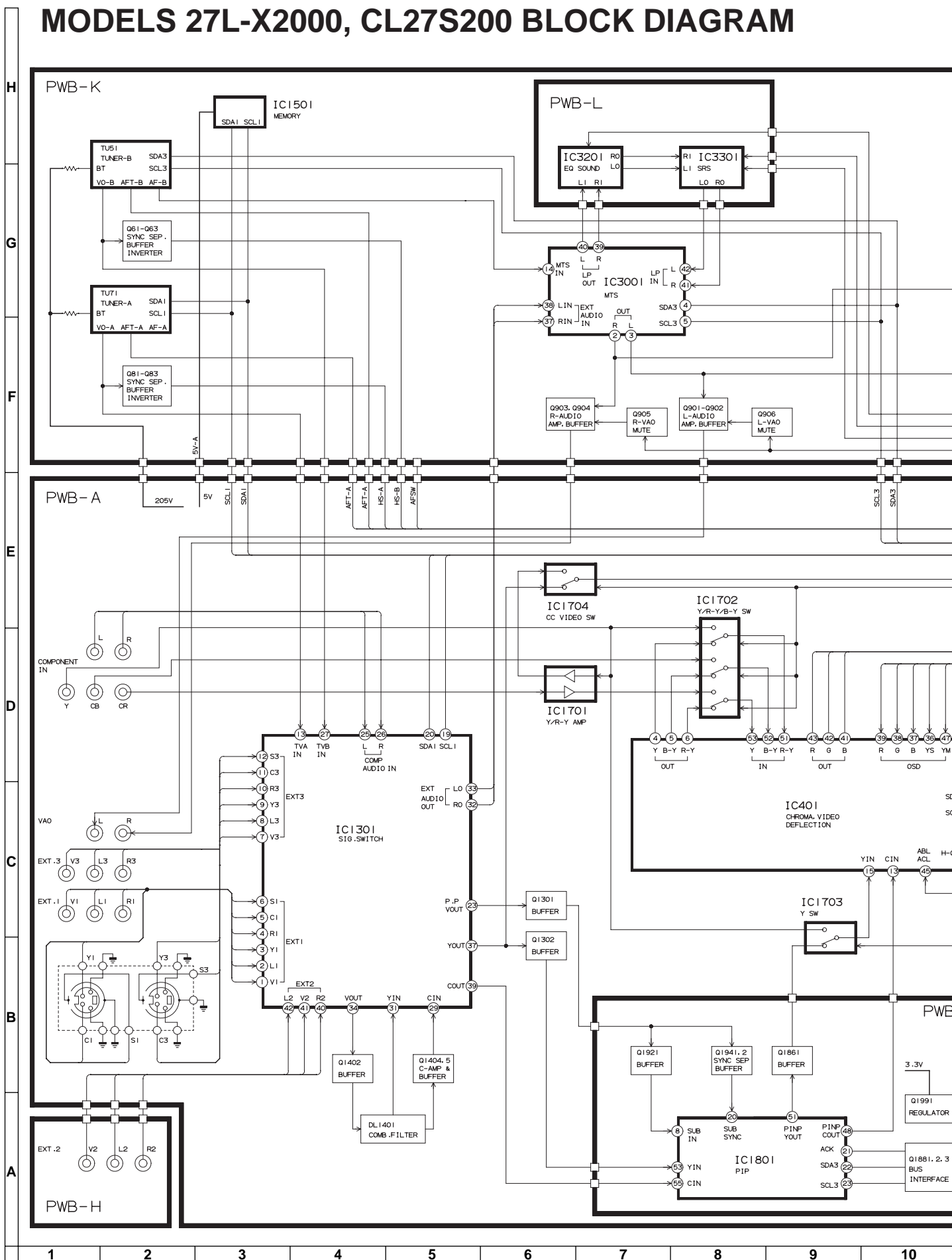
MODELS 27L-S500, CL27S50 BLOCK DIAGRAM





10	11	12	13	14	15	16	17	18	19
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MODELS 27L-X2000, CL27S200 BLOCK DIAGRAM



DESCRIPTION OF SCHEMATIC DIAGRAM

NOTES:

1. The unit of resistance "ohm" is omitted.
($K=k\Omega=1000\Omega$, $M=M\Omega$)
2. All capacitors are μF , unless otherwise noted.
($P=pF=\mu\mu F$)
3. (G) indicates $\pm 2\%$ tolerance may be used.
4. \perp indicates line isolated ground.
5. ∇ indicates hot ground.

VOLTAGE MEASUREMENT CONDITIONS:

1. All DC voltages are measured with DVM connected between points indicated and chassis ground, line voltage set at 120V AC and all controls set for normal picture unless otherwise indicated.
2. All voltages measured with $1000\mu V$ B & W or Color signal.

WAVEFORM MEASUREMENT CONDITIONS:

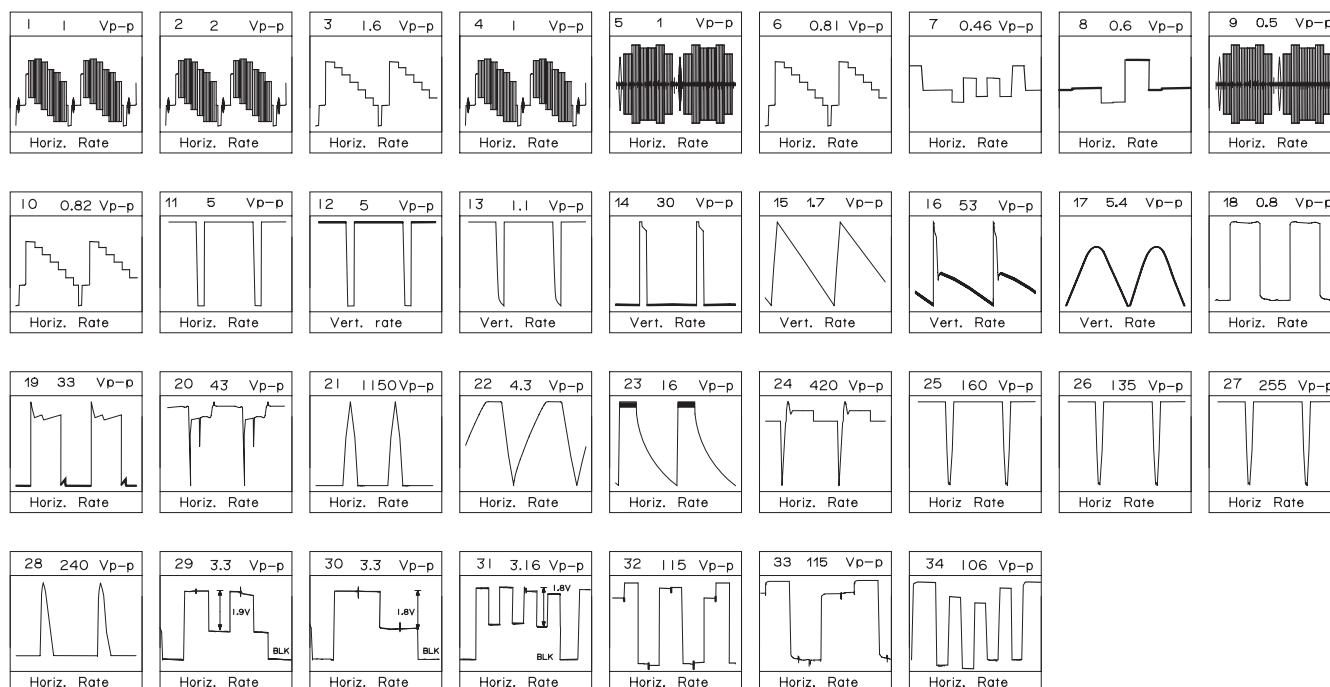
1. Photographs taken on a standard gated color bar signal, the tint setting adjusted for proper color. The wave shapes at the red, green and blue cathodes of the picture tube depend on the tint, color level and picture control.
2. \odot indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)

\triangle AND SHADED () COMPONENTS
= SAFETY RELATED PARTS.
 \blacktriangle MARK= X-RAY RELATED PARTS.

DRGANNES MARQUES \triangle ET HACHRES ():
PIECES RELATIVES A LA SECURITE.
MARQUE \blacktriangle : PIECS RELATIVE AUX RAYONS X.

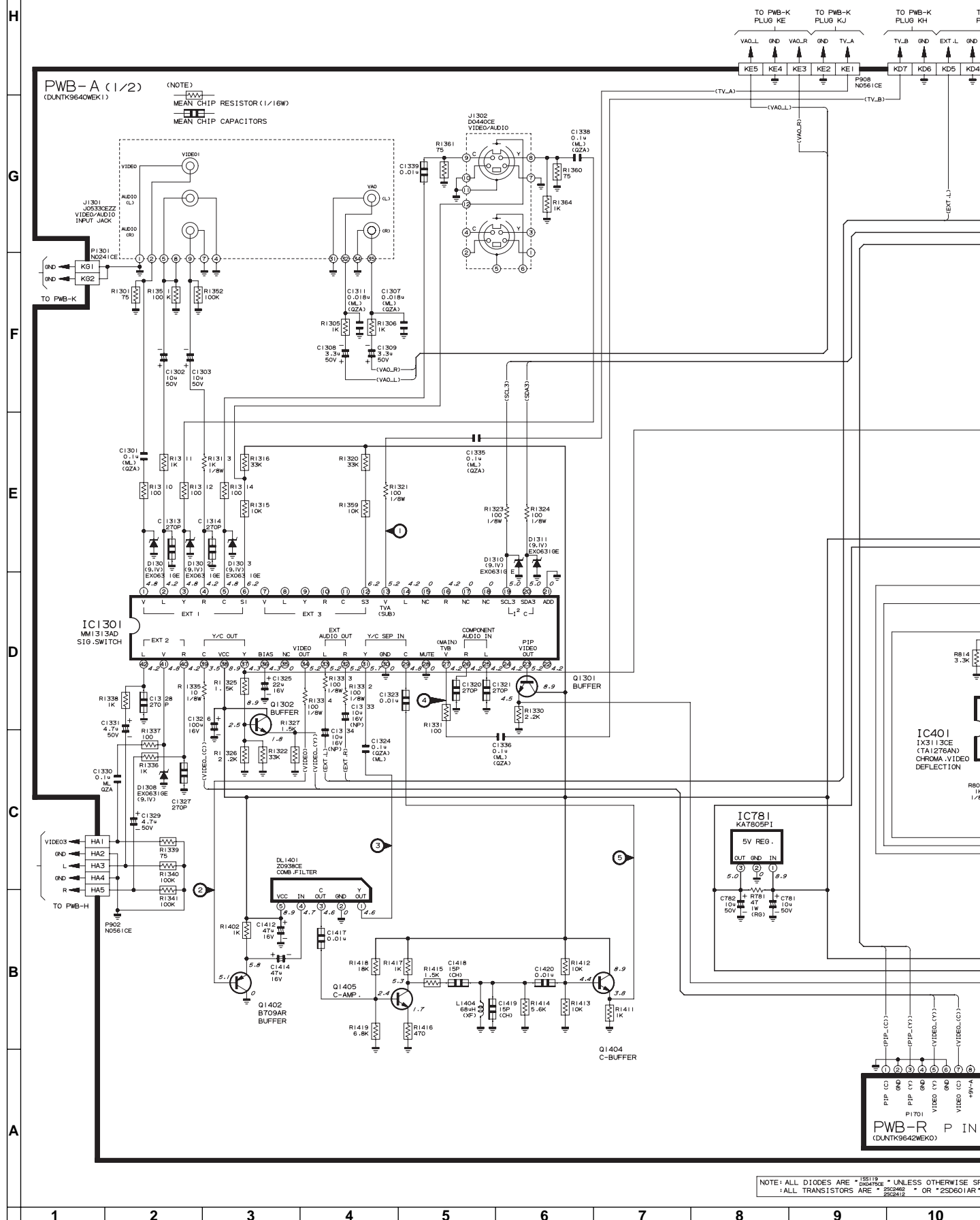
This circuit diagram is a standard one, printed circuits may be subject to change for product improvement without prior notice.

WAVEFORMS

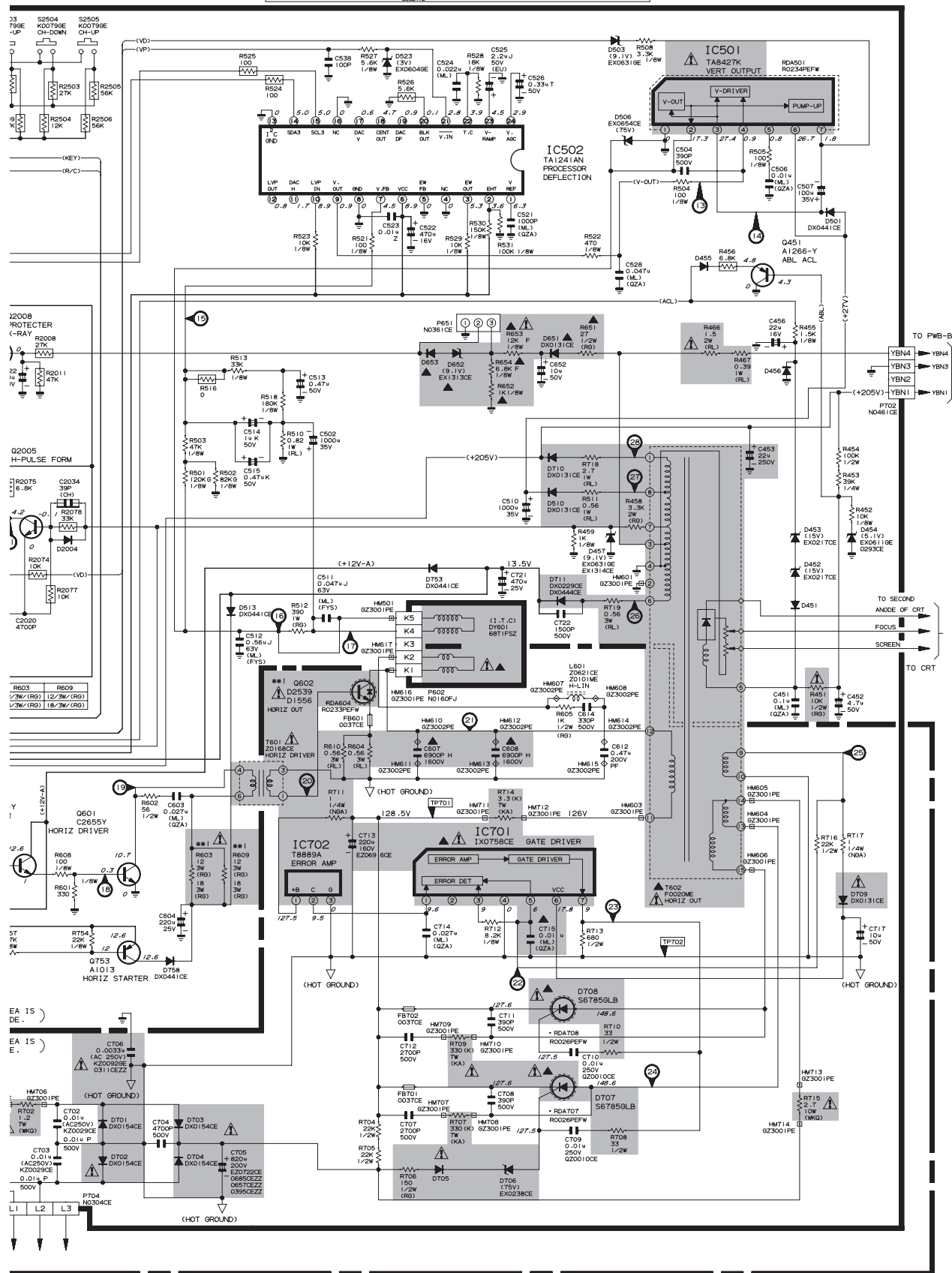






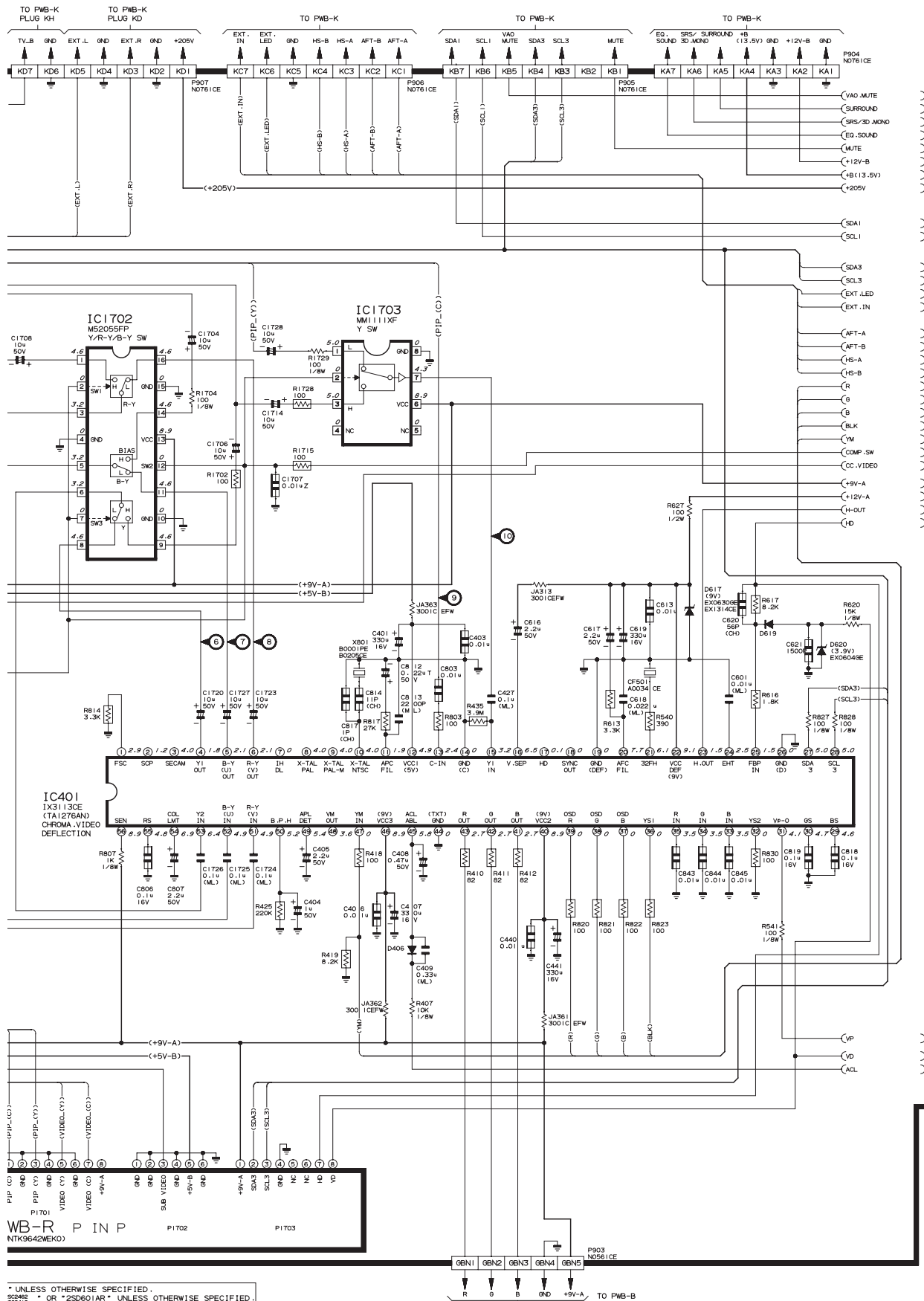


NOTE: ALL DIODES ARE "1SS119" UNLESS OTHERWISE SPECIFIED.
ALL TRANSISTORS ARE "2SC2462" OR "2SD601AR" UNLESS OTHERWISE SPECIFIED.



10	11	12	13	14	15	16	17	18	19
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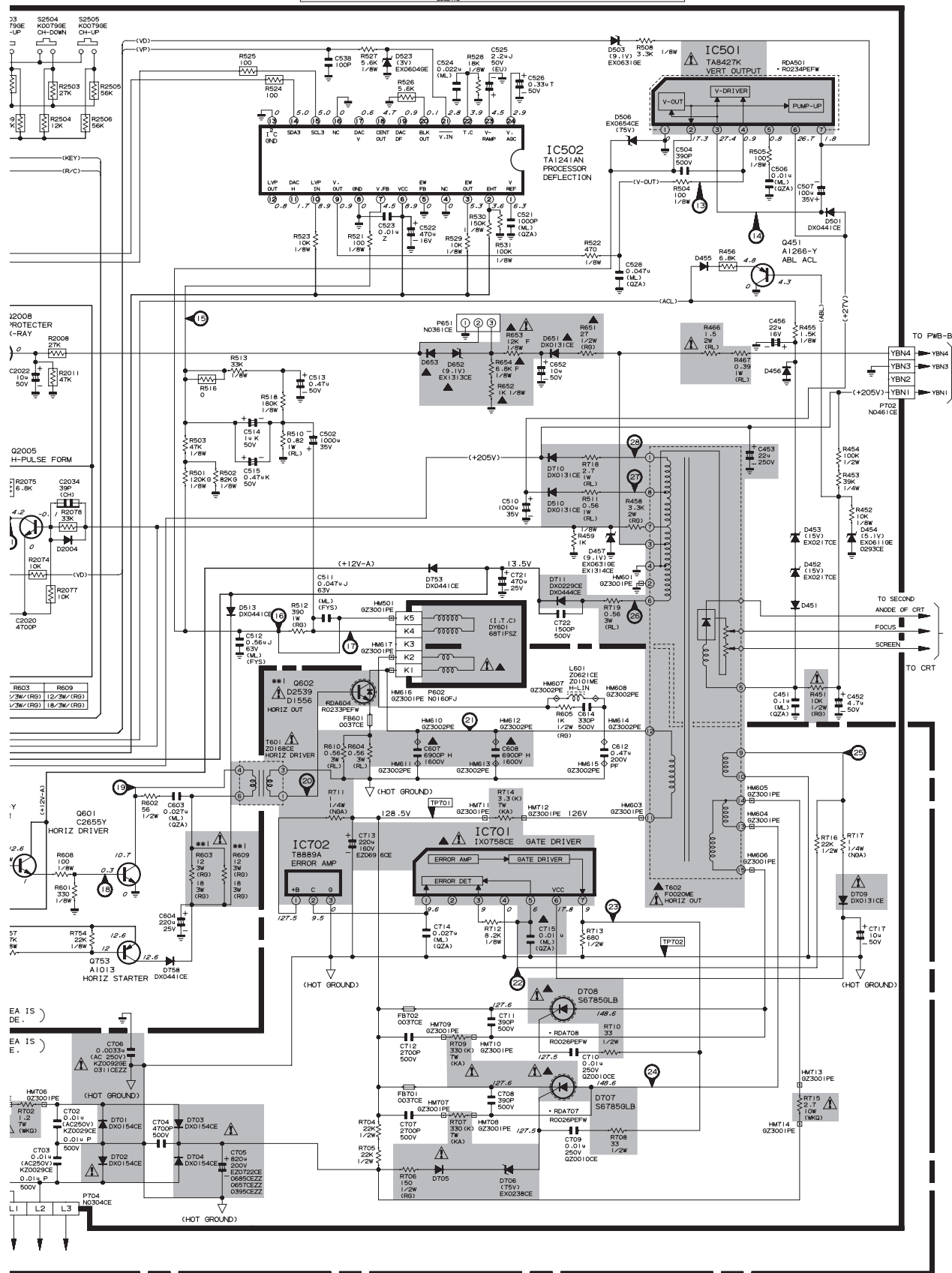




* UNLESS OTHERWISE SPECIFIED.
SC2462
SC2412

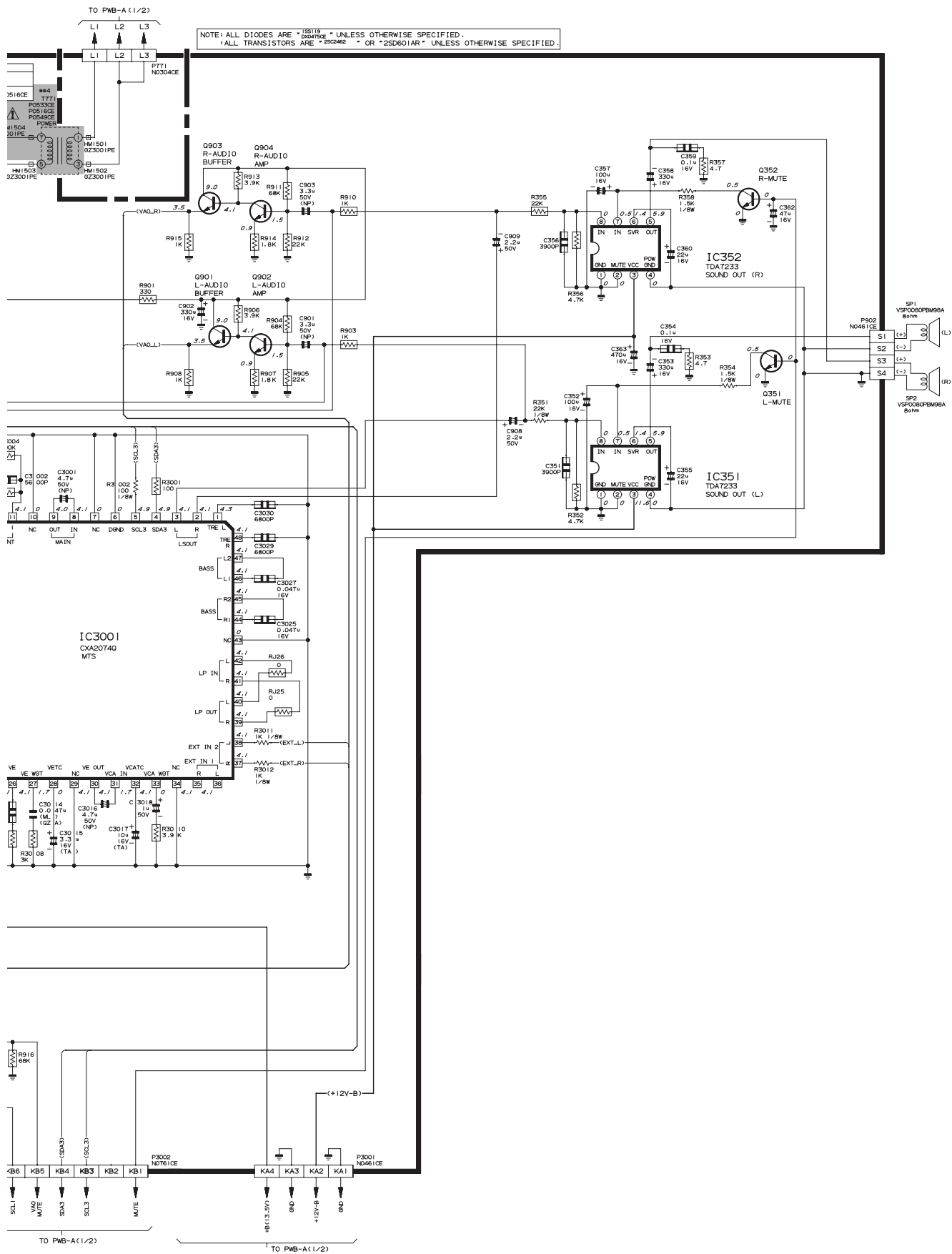


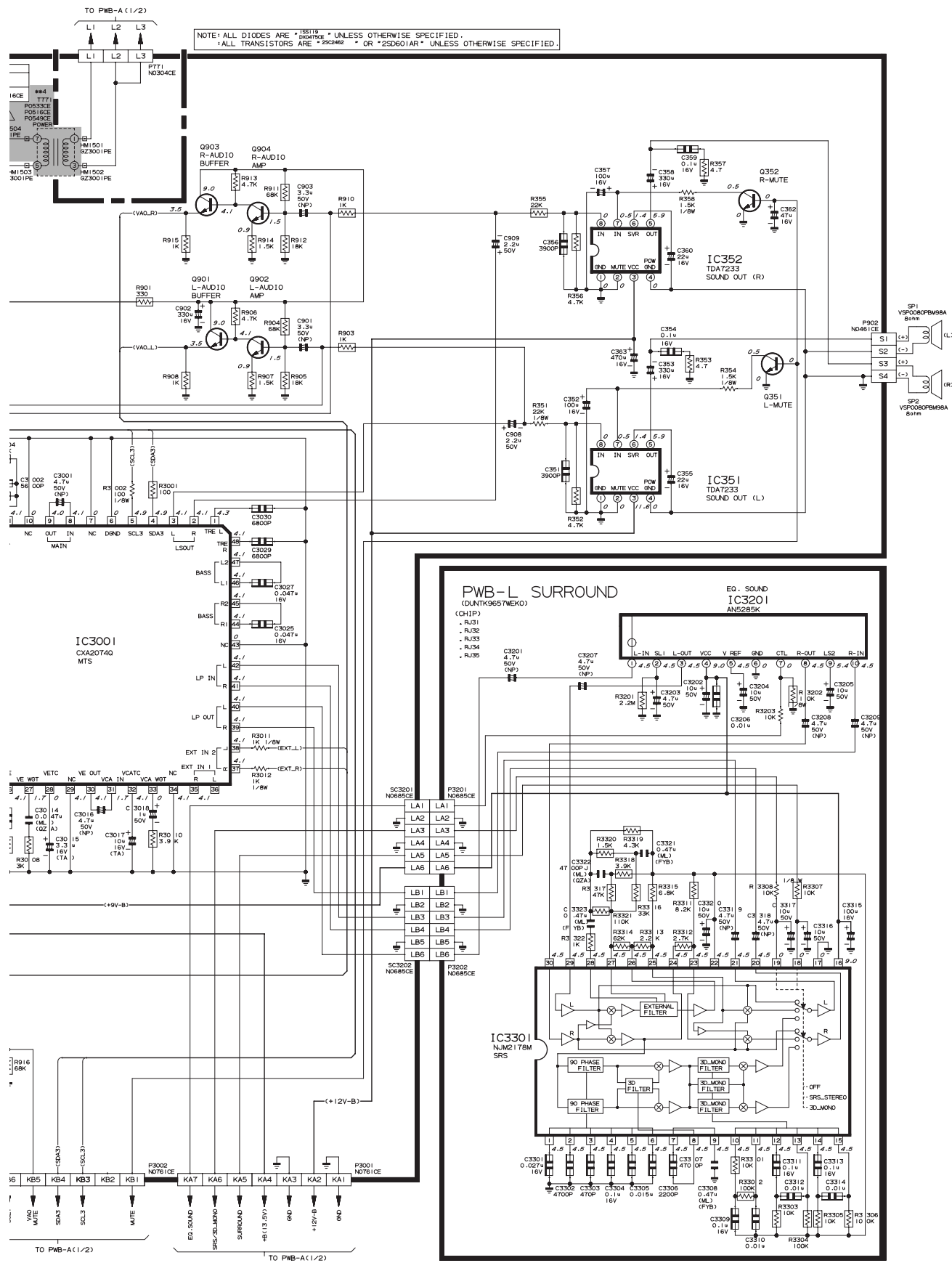
NOTE: ALL DIODES ARE *38119 * UNLESS OTHERWISE SPECIFIED.
*ALL TRANSISTORS ARE *252462 * OR *25D601AR * UNLESS OTHERWISE SPECIFIED.



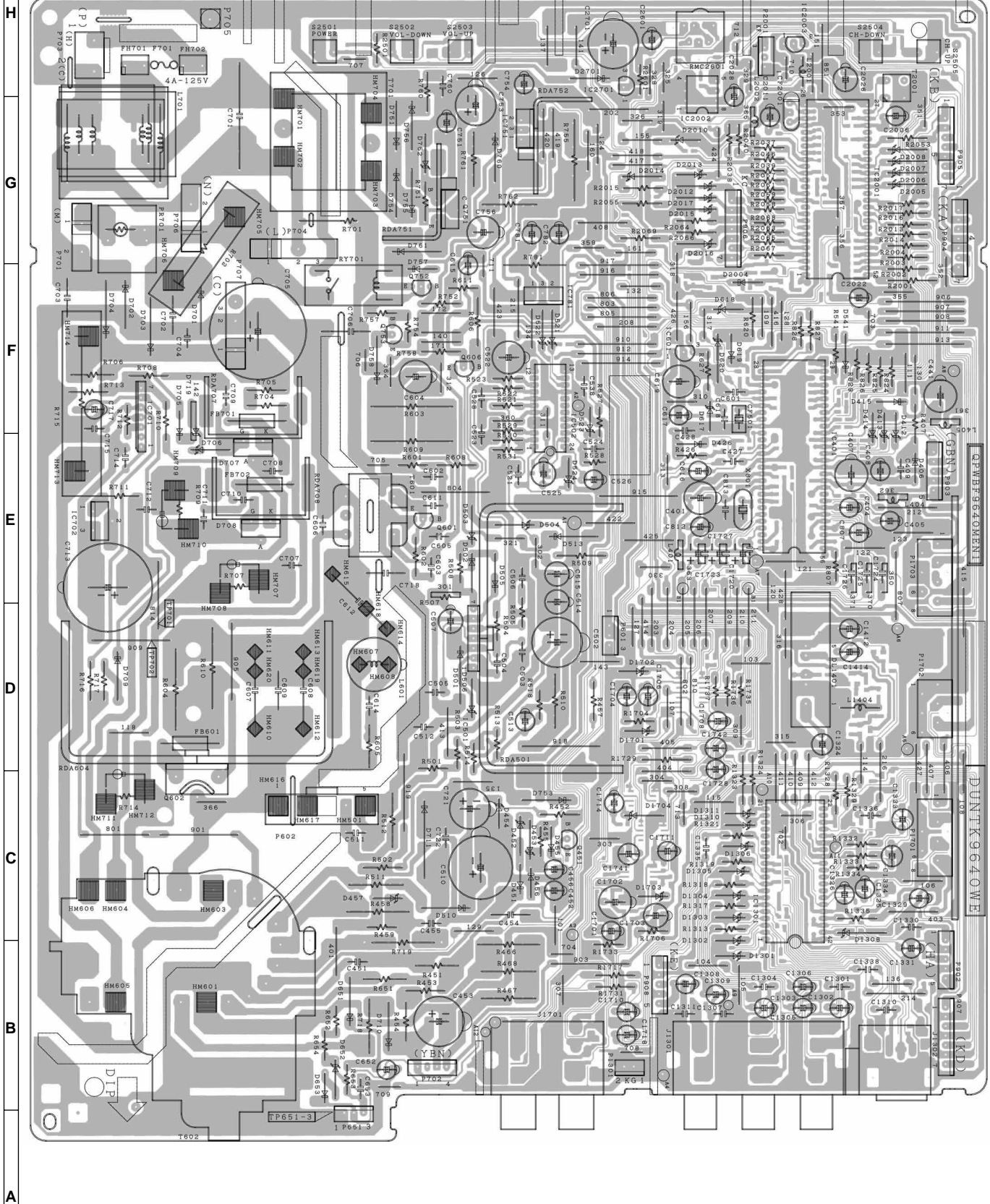
10	11	12	13	14	15	16	17	18	19
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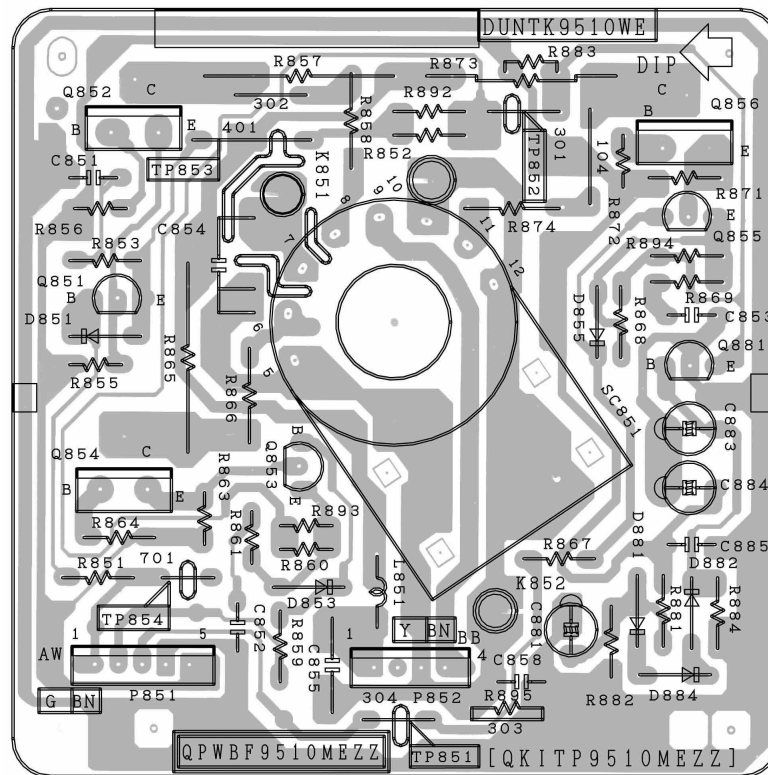
PRINTED WIRING BOARD ASSEMBLIES



PWB-A: MAIN Unit (Wiring Side)

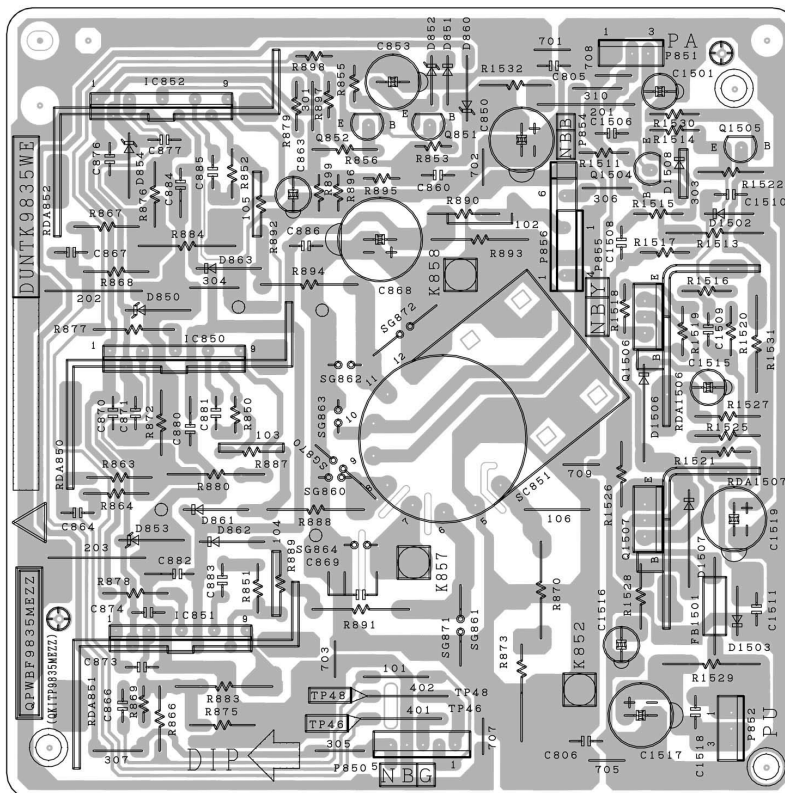
1	2	3	4	5	6
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■ 27L-S500, CL27S50



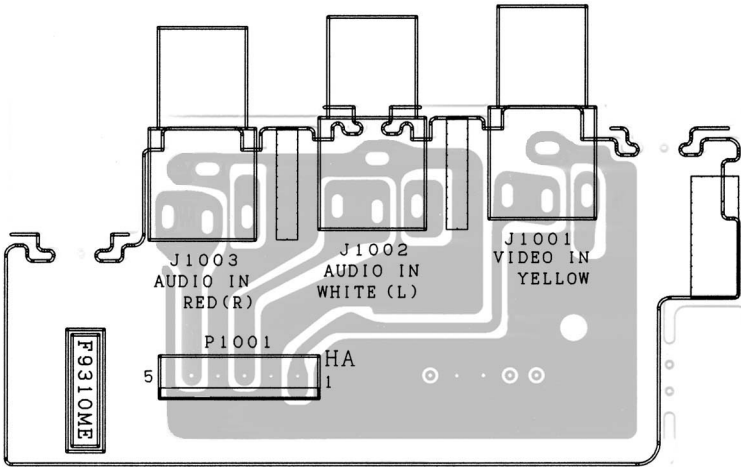
PWB-B: CRT Unit (Wiring Side)

■ 27L-X2000, CL27X200



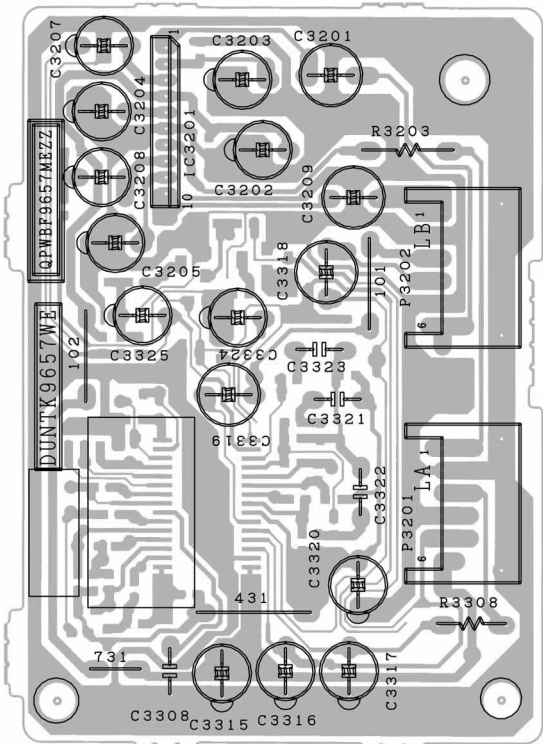
PWB-B: CRT Unit (Wiring Side)

H
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D
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B
A

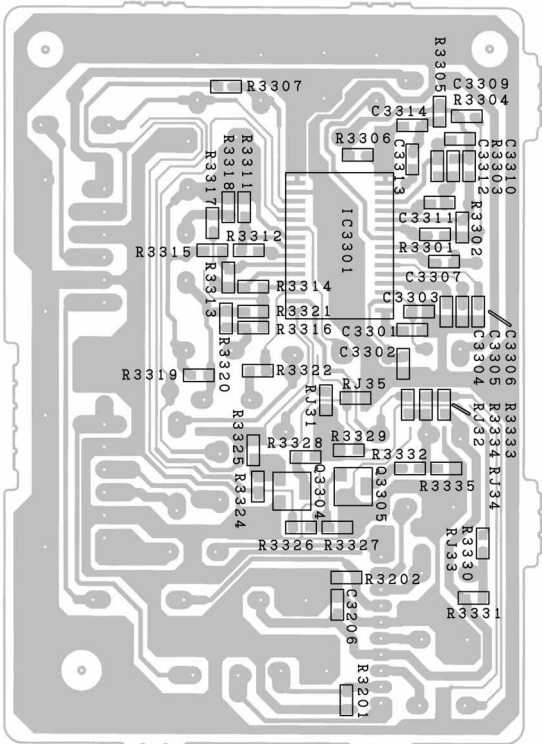


PWB-H: FRONT AV Unit (Wiring Side)

■ 27L-X2000, CL27X200

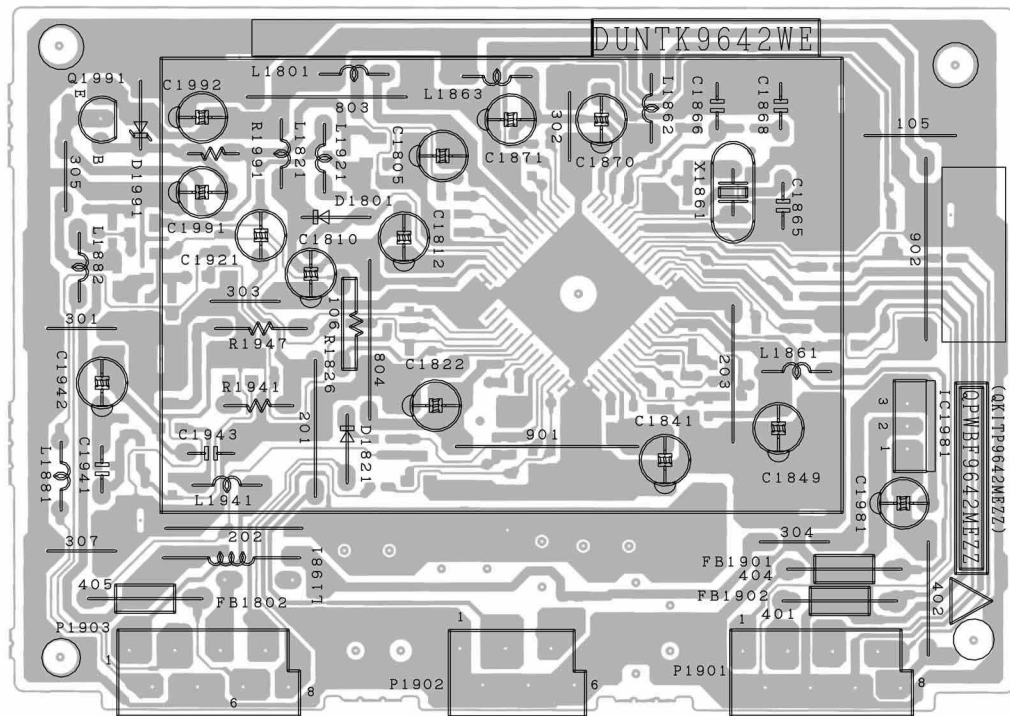


PWB-L: SURROUND Unit
(Wiring Side)

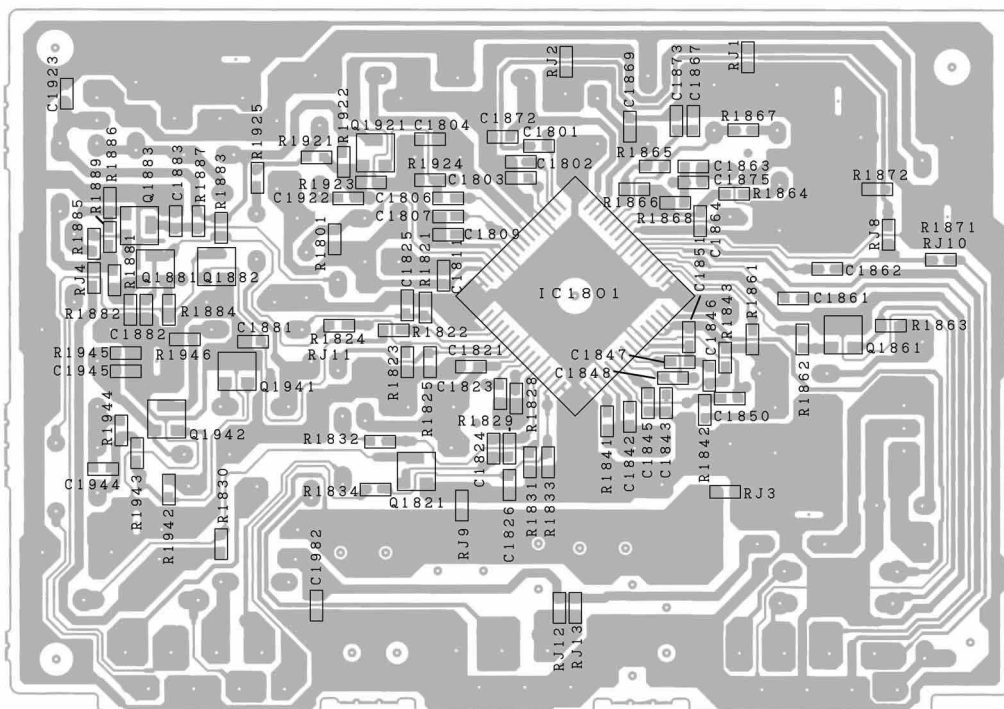


PWB-L: SURROUND Unit
(Chip Parts Side)

H
G
F
E
D
C
B
A



PWB-R: P-IN-P Unit (Wiring Side)



PWB-R: P-IN-P Unit (Chip Parts Side)

1 2 3 4 5 6

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by Δ and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |

in **USA**: Contact your nearest SHARP Parts Distributor to order.
For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

★ MARK: SPARE PARTS-DELIVERY SECTION

▲ MARK: X- RAY RELATED PARTS

Ref. No.	Part No.	★	Description	Code
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PICTURE TUBE

▲ Δ V101	VB68ADT2506*S	M	Picture Tube (I.T.C.)	CP
Δ L702	RCiLG0038MEZZ	M	Degaussing Coil (PR701:P0088CE)	AP
	RCiLG0032MEZZ	M	Degaussing Coil (PR701:P0026CE)	AS
	MSPRT0002MEZZ	M	Spring for CRT	AA
Δ	QEARC2702MEZZ	M	Grounding-Part	AD

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

27L-S500, CL27S50

PWB-A DUNTK9640WEK1	- Main Unit	—
PWB-B DUNTK9510WEK2	- CRT Unit	—
PWB-H DUNTK9310WEK1	- Front AV Unit	—
PWB-K DUNTK9641WEK1	- Sub Unit	—
PWB-R DUNTK9642WEK0	- P-IN-P Unit	—

27L-X2000, CL27X200

PWB-A DUNTK9640WEK2	- Main Unit	—
PWB-B DUNTK9835WEK2	- CRT Unit	—
PWB-H DUNTK9310WEK1	- Front AV Unit	—
PWB-K DUNTK9641WEK2	- Sub Unit	—
PWB-L DUNTK9657WEK0	- Surround Unit	—
PWB-R DUNTK9642WEK0	- P-IN-P Unit	—

LISTE DES PIECES

CHANGE DES PIECES

Les pièces de rechange qui présentent ces caractéristiques spéciales de sécurité, sont identifiées dans ce manuel : les pièces électriques qui présentent ces particularités, sont repérées par la marque Δ et sont hachurées dans les listes de pièces et dans les diagrammes schématisés.

La substitution d'une pièce de rechange par une autre qui ne présente pas les mêmes caractéristiques de sécurité que la pièce recommandée par l'usine et dans ce manuel de service, peut provoquer une électrocution, un incendie ou tout autre sinistre.

"COMMENT COMMANDER LES PIECES DE RECHANGE"

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivants.

- | | |
|---------------------|----------------|
| 1. NUMERO DU MODELE | 2. NO. DE REF |
| 3. NO. DE PIECE | 4. DESCRIPTION |

in **CANADA**: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100

★MARQUE: SECTION LIVRAISON DES PIECES DE RECHANGE

▲ MARQUE: PIECES RELATIVE AUX RAYONS X

Ref. No.	Part No.	★	Description	Code
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PWB-A: DUNTK9640WEK1(27L-S500, CL27S50) MAIN UNIT

INTEGRATED CIRCUITS

IC401	RH-iX3113CEZZ	J	TA1276AN	AZ
Δ IC501	VHiTA8427K/-1	J	TA8427K	AL
IC502	VHiTA1241AN-1	J	TA1241AN	AM
▲ Δ IC701	RH-iX0758CEZZ	J	T8150	AF
Δ IC702	VHiT8889A/-1	J	T8889A	AL
Δ IC751	VHiKA7809Pi-1	M	KIA7809PI	AE
IC781	VHiKA7805Pi-1	M	KIA7809PI	AE
IC1301	VHiMM1313AD-1	J	MM1313AD	AP
IC2001	RH-iX3274CEN2	M	I.C.	AX
IC2003	VHiKA7045P-1	J	KIA7045P	AD
IC2701	VHiKA78S05P-1	J	KIA78S05P	AD

TRANSISTORS

You can substitute "VS2SC2412-C-1" or "VS2SC2462-C-1" for "VS2SD601AR/-1".

Q451	VS2SA1266-Y-1	J	2SA1266(Y)	AA
Q601	VS2SC2655Y/-1	J	2SC2655(Y)	AE
Δ Q602	VS2SD2539//1E	J	2SD2539	AP

or

VS2SD1556//1E

	Q602	R603	R609
COMBI-	2SD2539	12/3W/(RG)	12/3W/(RG)
NATION	2SD1556	18/3W/(RG)	18/3W/(RG)

Q606	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Δ Q751	VS2SC1983//2	J	2SC1983	AF
Q752	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Q753	VS2SA1013//1E	J	2SA1013	AD
Q1301	VS2SD601AR/-1	J	2SD601AR	AC
Q1302	VS2SD601AR/-1	J	2SD601AR	AC
Q1402	VS2SB709AR/-1	J	2SB709AR	AC
Q1404	VS2SD601AR/-1	J	2SD601AR	AC
Q1405	VS2SD601AR/-1	J	2SD601AR	AC
Q2004	VSUN2212///-1	J	VSUN2212	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNK9640WEK1(27L-S500, CL27S50)					X801	RCRSB0001PEZZ	R	Crystal	AL
MAIN UNIT (Continued)						or			
						RCRSB0205CEZZ			
Q2005	VS2SD601AR/-1	J	2SD601AR	AC	FILTERS				
Q2008	VS2SD601AR/-1	J	2SD601AR	AC	CF501	RFiLA0034CEZZ	J	Ceramic Filter	AD
Q2009	VS2SD601AR/-1	J	2SD601AR	AC	CF2001	RFiLC0121GEZZ	J	Ceramic Filter	AD
DIODES					COILS				
You can substitute "RH-DX0475CEZZ" for "VHD1SS119//-1".					DL1401	RCiLZ0938CEZZ	J	Coil	AW
D406	VHD1SS119//-1	J	Diode	AB	L601	RCiLZ0621CEZZ	J	Coil	AH
D451	VHD1SS119//-1	J	Diode	AB		or			
D452	RH-EX0217CEZZ	J	Zener Diode, 15V	AB		RCiLZ0101MEZZ			
D453	RH-EX0217CEZZ	J	Zener Diode, 15V	AB	△ L701	RCiLF0025PEZZ	R	Coil (27L-S500)	AK
D454	RH-EX0611GEZZ	J	Zener Diode, 5.1V	AA		or			
	or					RCiLF0029PEZZ			
	RH-EX0293CEZZ					or			
D455	VHD1SS119//-1	J	Diode	AB		RCiLF0087PEZZ			
D456	VHD1SS119//-1	J	Diode	AB		or			
D457	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA		RCiLF0235CEZZ			
	or					or			
	RH-EX1314CEZZ					RCiLF0019PEZZ			
D501	RH-DX0441CEZZ	J	Diode	AC		or			
D503	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA		RCiLF0090CEZZ			
D506	RH-EX0654CEZZ	J	Zener Diode, 75V	AD		or			
△ D510	RH-DX0131CEZZ	J	Diode	AC		RCiLF0133CEZZ			
D513	RH-DX0441CEZZ	J	Diode	AC	△ L701	RCiLF0133CEZZ	J	Coil (CL27S50)	AL
D523	RH-EX0604GEZZ	J	Zener Diode, 3V	AB	L1404	VP-XF680K0000	J	Peaking 68μH	AB
D617	RH-EX0630GEZZ	J	Zener Diode, 9V	AA	T2001	RCiLB0158CEZZ	M	Oscillation Coil	AC
	or				TRANSFORMERS				
	RH-EX1314CEZZ				△ T601	RTRNZ0168CEZZ	J	H-Driver	AH
D619	VHD1SS119//-1	J	Diode	AB	△ T602	RTRNF0020MEZZ	M	H-Out	BC
D620	RH-EX0604GEZZ	J	Zener Diode, 3.9V	AB	△ T701	RTRNP0533CEZZ	M	Power (27L-S500)	AL
△△ D651	RH-DX0131CEZZ	J	Diode	AC	△ T701	RTRNP0549CEZZ	M	Power (CL27S50)	AM
△△ D652	RH-EX1313CEZZ	J	Zener Diode, 9.1V	AD		or			
△△ D653	VHD1SS119//-1	J	Diode	AB		RTRNP0516CEZZ			
△ D701	RH-DX0154CEZZ	J	Diode	AC	CAPACITORS				
△ D702	RH-DX0154CEZZ	J	Diode	AC	[EL... Electrolytic, M-Poly... Metalized Polypro Film]				
△ D703	RH-DX0154CEZZ	J	Diode	AC	C401	VCEA0A1CW337M	J	330 16V EL.	AC
△ D704	RH-DX0154CEZZ	J	Diode	AC	C403	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
△ D705	VHD1SS119//-1	J	Diode	AB	C404	VCEA0A1HW105M	J	1.0 50V EL.	AB
△ D706	RH-EX0238CEZZ	J	Zener Diode, 75V	AC	C405	VCEA0A1HW225M	J	2.2 50V EL.	AB
△△ D707	VHSS6785GLB2E	J	Si.Control Rectifier	AL	C406	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
△△ D708	VHSS6785GLB2E	J	Si.Control Rectifier	AL	C407	VCEA0A1CW337M	J	330 16V EL.	AC
△ D709	RH-DX0131CEZZ	J	Diode	AC	C408	VCEA0A1HW474M	J	0.47 50V EL.	AB
△ D710	RH-DX0131CEZZ	J	Diode	AC	C409	VCFYSA1HB334J	J	0.33 50V Mylar	AB
△ D711	RH-DX0229CEZZ	J	Diode	AF	C427	VCFYSA1HB104J	J	0.1 50V Mylar	AB
	or				C440	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
△ D751	RH-DX0441CEZZ	J	Diode	AC	C441	VCEA0A1CW337M	J	330 16V EL.	AC
D752	RH-EX0019TAZZ	J	Zener Diode, 13V	AB	C451	RC-QZA104TAYK	J	0.1 50V Mylar	AB
D753	RH-DX0441CEZZ	J	Diode	AC	C452	VCEA0A1HW475M	J	4.7 50V EL.	AB
△ D754	RH-DX0441CEZZ	J	Diode	AC	△ C453	VCEA0A2EW226M	J	22 250V EL.	AC
△ D755	RH-DX0441CEZZ	J	Diode	AC	C456	VCEA0A1CW226M	J	22 16V EL.	AB
△ D756	RH-DX0441CEZZ	J	Diode	AC	C502	VCEA0A1VW108M	J	1000 35V EL.	AD
D757	VHD1SS119//-1	J	Diode	AB	C504	VCKYPA2HB391K	J	390p 500V Ceramic	AA
D758	RH-DX0441CEZZ	J	Diode	AC	C506	RC-QZA103TAYK	J	0.01 50V Mylar	AA
D760	RH-DX0441CEZZ	J	Diode	AC	C507	VCEA0A1VW107M	J	100 35V EL.	AC
D761	RH-DX0441CEZZ	J	Diode	AC	C510	VCEA0A1VW108M	J	1000 35V EL.	AD
D1301	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA	C511	VCFYSA1JA473J	J	0.047 63V Mylar	AC
D1302	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA	C512	VCFYSA1JA564J	J	0.56 63V Mylar	AE
D1303	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA	C513	VCEA0A1HW474M	J	0.47 50V EL.	AB
D1308	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA	C514	VCEACA1HC105K	J	1.0 50V EL.	AC
D1310	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA	C515	VCEACA1HC474K	J	0.47 50V EL.	AB
D1311	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA	C521	RC-QZA102TAYK	J	1000P 50V Mylar	AA
D2004	VHD1SS119//-1	J	Diode	AB	C522	VCEA0A1CW477M	J	470 16V EL.	AC
D2010	RH-EX0616GEZZ	J	Zener Diode, 5.6V	AA	C523	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
D2701	VHD1SS119//-1	J	Diode	AB	C524	VCFYSA1HB223J	J	0.022 50V Mylar	AA
PACKAGED CIRCUITS					C525	VCEACA1HC225J	J	2.2 50V EL.	AC
△ PR701	RMPTP0088CEZZ	M	Packaged Circuit	AE	C526	VCEAGA1HW334T	J	0.33 50V EL.	AC
	or		(L702: G0038ME)		C528	RC-QZA473TAYK	J	0.047 50V Mylar	AB
	RMPTP0026CEZZ		Packaged Circuit		C538	VCCSPA1HL101J	J	100p 50V Ceramic	AA
			(L702: G0032ME)		C601	VCFYSA1HB103J	J	0.01 50V Mylar	AA
					C603	RC-QZA273TAYK	J	0.027 50V Mylar	AB

Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9640WEK1(27L-S500, CL27S50)				
MAIN UNIT (Continued)				
	C604	VCEA0A1EW227M	J 220 25V EL.	AB
▲▲	C607	VCFFPD3CA692H	J 6900p 1.6kV M-Poly.	AC
▲▲	C608	VCFFPD3CA692H	J 6900p 1.6kV M-Poly.	AC
	C612	VCFFPD2DB474J	J 0.47 200V M-Poly.	AE
	C613	VCKYCY1HB103K	J 0.01 50V Ceramic	AA
	C614	VCKYPA2HB331K	J 330p 500V Ceramic	AA
	C616	VCEA0A1HW225M	J 2.2 50V EL.	AA
	C617	VCEA0A1HW225M	J 2.2 50V EL.	AB
	C618	VCFYSA1HB223J	J 0.022 50V Mylar	AA
	C619	VCEA0A1CW337M	J 330 16V EL.	AC
	C620	VCCCCY1HH560J	J 56p 50V Ceramic	AA
	C621	VCKYCY1HB152K	J 1500p 50V Ceramic	AA
	C652	VCEA0A1HW106M	J 10 50V EL.	AB
▲	C701	RC-FZ017SCEZZ	J 0.22 AC250V Plastic	AD
		or		
		RC-FZ012SGEZZ		
		or		
		RC-FZ084CGEZZ		
		or		
		RC-FZ032CUMZZ	0.47 AC250V	
	C702	RC-KZ0029CEZZ	J 0.01 AC250V Ceramic	AC
		or		
		VCKYPB2HE103P	0.01 500V	
	C703	RC-KZ0029CEZZ	J 0.01 AC250V Ceramic	AC
		or		
		VCKYPB2HE103P	0.01 500V	
	C704	VCKYPA2HB472K	J 4700p 500V Ceramic	AB
▲	C705	RC-EZ0722CEZZ	M 820 200V EL.	AL
		or		
		RC-EZ0685CEZZ		
		or		
		RC-EZ0657CEZZ		
		or		
		RC-EZ0395CEZZ		
▲	C706	RC-KZ0092GEZZ	J 0.0033 AC250V Ceramic	AC
		or		
		RC-KZ0311CEZZ		
	C707	VCKYPA2HB272K	J 2700p 500V Ceramic	AA
	C708	VCKYPA2HB391K	J 390p 500V Ceramic	AA
	C709	RC-QZ0010CEZZ	J 0.01 250V Ceramic	AC
	C710	RC-QZ0010CEZZ	J 0.01 250V Ceramic	AC
	C711	VCKYPA2HB391K	J 390p 500V Ceramic	AA
	C712	VCKYPA2HB272K	J 2700p 500V Ceramic	AA
▲	C713	RC-EZ0696CEZZ	M 220 160V EL.	AG
	C714	RC-QZA273TAYK	J 0.027 50V Mylar	AB
▲▲	C715	RC-QZA103TAYK	J 0.01 50V Mylar	AA
	C717	VCEA0A1HW106M	J 10 50V EL.	AB
	C721	VCEA0A1EW477M	J 470 25V EL.	AD
	C722	VCKYPA2HB152K	J 1500p 500V Ceramic	AA
	C751	VCEA0A1EW476M	J 47 25V EL.	AB
	C753	VCEA0A1VW337M	J 330 35V EL.	AD
	C754	VCEA0A1CW107M	J 100 16V EL.	AC
	C756	VCEA0A1CW337M	J 330 16V EL.	AC
	C760	RC-QZA393TAYK	J 0.039 50V Mylar	AB
	C781	VCEA0A1HW106M	J 10 50V EL.	AB
	C782	VCEA0A1HW106M	J 10 50V EL.	AB
	C803	VCKYCY1HB103K	J 0.01 50V Ceramic	AA
	C806	VCKYCY1CB104K	J 0.1 16V Ceramic	AB
	C807	VCEA0A1HW225M	J 2.2 50V EL.	AB
	C812	VCEAGA1HW224T	J 0.22 50V EL.	AB
	C813	VCQYTA1HM222J	J 2200p 50V Mylar	AA
	C814	VCCCCY1HH110J	J 11p 50V Ceramic	AA
	C817	VCCCCY1HH1R0C	J 1.0p 50V Ceramic	AA
	C818	VCKYCY1CB104K	J 0.1 16V Ceramic	AB
	C819	VCKYCY1CB104K	J 0.1 16V Ceramic	AB
	C843	VCKYCY1HB103K	J 0.01 50V Ceramic	AA
	C844	VCKYCY1HB103K	J 0.01 50V Ceramic	AA
	C845	VCKYCY1HB103K	J 0.01 50V Ceramic	AA
	C1301	RC-QZA104TAYK	J 0.1 50V Mylar	AB
	C1302	VCEA0A1HW106M	J 10 50V EL.	AB
	C1303	VCEA0A1HW106M	J 10 50V EL.	AB
	C1307	RC-QZA183TAYK	J 0.018 50V Mylar	AB

Ref. No.	Part No.	★	Description	Code
	C1308	VCEA0A1HW335M	J 3.3 50V EL.	AB
	C1309	VCEA0A1HW335M	J 3.3 50V EL.	AB
	C1311	RC-QZA183TAYK	J 0.018 50V Mylar	AB
	C1313	VCKYCY1HB271K	J 270p 50V Ceramic	AA
	C1314	VCKYCY1HB271K	J 270p 50V Ceramic	AA
	C1320	VCKYCY1HB271K	J 270p 50V Ceramic	AA
	C1321	VCKYCY1HB271K	J 270p 50V Ceramic	AA
	C1323	VCKYCY1HB103K	J 0.01 50V Ceramic	AA
	C1324	RC-QZA104TAYK	J 0.1 50V Mylar	AB
	C1325	VCEA0A1CW226M	J 22 16V EL.	AB
	C1326	VCEA0A1CW107M	J 100 16V EL.	AC
	C1327	VCKYCY1HB271K	J 270p 50V Ceramic	AA
	C1328	VCKYCY1HB271K	J 270p 50V Ceramic	AA
	C1329	VCEA0A1HW475M	J 4.7 50V EL.	AB
	C1330	RC-QZA104TAYK	J 0.1 50V Mylar	AB
	C1331	VCEA0A1HW475M	J 4.7 50V EL.	AB
	C1333	VCE9GA1CW106M	J 10 16V EL.(N.P)	AB
	C1334	VCE9GA1CW106M	J 10 16V EL.(N.P)	AB
	C1335	RC-QZA104TAYK	J 0.1 50V Mylar	AB
	C1336	RC-QZA104TAYK	J 0.1 50V Mylar	AB
	C1338	RC-QZA104TAYK	J 0.1 50V Mylar	AB
	C1339	VCKYCY1HB103K	J 0.01 50V Ceramic	AA
	C1412	VCEA0A1CW476M	J 47 16V EL.	AB
	C1414	VCEA0A1CW476M	J 47 16V EL.	AB
	C1417	VCKYCY1HB103K	J 0.01 50V Ceramic	AA
	C1418	VCCCCY1HH150J	J 15p 50V Ceramic	AA
	C1419	VCCCCY1HH150J	J 15p 50V Ceramic	AA
	C1420	VCKYCY1HB103K	J 0.01 50V Ceramic	AA
	C1720	VCFYSA1HB104J	J 0.1 50V Mylar	AB
	C1723	VCFYSA1HB104J	J 0.1 50V Mylar	AB
	C1727	VCFYSA1HB104J	J 0.1 50V Mylar	AB
	C2006	VCEA0A1HW105M	J 1.0 50V EL.	AB
	C2007	VCKYCY1HB561K	J 560p 50V Ceramic	AA
	C2008	VCKYCY1CB104K	J 0.1 16V Ceramic	AB
	C2009	VCKYCY1HB102K	J 1000p 50V Ceramic	AA
	C2010	VCKYCY1HB221K	J 220p 50V Ceramic	AA
	C2011	VCEA0A1HW105M	J 1.0 50V EL.	AB
	C2012	VCKYCY1HF103Z	J 0.01 50V Ceramic	AA
	C2014	VCKYCY1HB102K	J 1000p 50V Ceramic	AA
	C2015	VCKYCY1HB102K	J 1000p 50V Ceramic	AA
	C2016	VCKYCY1HF103Z	J 0.01 50V Ceramic	AA
	C2017	VCCCCY1HH101J	J 100p 50V Ceramic	AA
	C2018	VCCCCY1HH101J	J 100p 50V Ceramic	AA
	C2019	VCKYCY1HB102K	J 1000p 50V Ceramic	AA
	C2020	VCKYCY1HB472K	J 4700p 50V Ceramic	AA
	C2021	VCKYCY1HF103Z	J 0.01 50V Ceramic	AA
	C2022	VCEA0A1HW106M	J 10 50V EL.	AB
	C2026	VCEA0A0JW477M	J 470 6.3V EL.	AC
	C2027	VCKYCY1CB104K	J 0.1 16V Ceramic	AB
	C2028	VCEA0A1AW107M	J 100 10V EL.	AB
	C2032	VCCCCY1HH270J	J 27p 50V Ceramic	AA
	C2034	VCCCCY1HH390J	J 39p 50V Ceramic	AA
	C2601	VCEA0A1HW475M	J 4.7 50V EL.	AB
	C2602	VCCCCY1HH101J	J 100p 50V Ceramic	AA
	C2701	VCEA0A1CW228M	J 2200 16V EL.	AD

RESISTORS*[M-Ox... Metal Oxide, M-Film... Metal Film]*

RJ1	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ3	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ7	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ9	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ12	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ13	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ15	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ51	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ52	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ56	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ57	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ58	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ59	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ60	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ65	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ66	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ67	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ68	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9640WEK1(27L-S500, CL27S50)									
MAIN UNIT (Continued)									
RJ70	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R617	VRS-CY1JF822J	J 8.2k	1/16W M-Ox.	AA
RJ73	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R620	VRD-RA2BE153J	J 15k	1/8W Carbon	AA
RJ75	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R627	VRD-RM2HD101J	J 100	1/2W Carbon	AA
RJ76	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	▲▲ R651	VRS-RG2HC270J	M 27	1/2W M-Ox.	AA
RJ77	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	▲▲ R652	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
RJ78	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	▲▲ R653	VRN-RA2BK123F	J 12k	1/8W M-Film	AA
RJ79	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	▲▲ R654	VRN-RA2BK682F	J 6.8k	1/8W M-Film	AA
RJ80	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	▲ R701	RR-HZ0046CEZZ	J 2.7M	1/2W Solid	AD
RJ81	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA		or		(27L-S500)	
RJ82	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA		VRC-UA2HG275K			
RJ85	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	▲ R701	RR-HZ0046CEZZ	J 2.7M	1/2W Solid	AD
R407	VRD-RA2BE103J	J 10k	1/8W Carbon	AA				(CL27S50)	
R410	VRS-CY1JF820J	J 82	1/16W M-Ox.	AA	▲ R702	VRW-KQ3NC1R2K	J 1.2	7.0W Cement	AE
R411	VRS-CY1JF820J	J 82	1/16W M-Ox.	AA	R704	VRD-RM2HD223J	J 22k	1/2W Carbon	AA
R412	VRS-CY1JF820J	J 82	1/16W M-Ox.	AA	R705	VRD-RM2HD223J	J 22k	1/2W Carbon	AA
R418	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	▲ R706	VRS-RG2HC151J	J 150	1/2W M-Ox.	AA
R419	VRS-CY1JF822J	J 8.2k	1/16W M-Ox.	AA	▲ R707	VRS-KA3NG331K	M 330	7.0W M-Ox.	AC
R425	VRS-CY1JF224J	J 220k	1/16W M-Ox.	AA	▲ R708	VRD-RM2HD330J	J 33	1/2W Carbon	AA
R435	VRS-CY1JF395J	J 3.9M	1/16W M-Ox.	AA	▲ R709	VRS-KA3NG331K	M 330	7.0W M-Ox.	AC
▲ R451	VRS-RG2HC103J	J 10k	1/2W M-Ox.	AA	▲ R710	VRD-RM2HD330J	J 33	1/2W Carbon	AA
R452	VRD-RA2BE103J	J 10k	1/8W Carbon	AA	▲ R711	VRN-GA2EB1R0J	J 1.0	1/4W M-Film	AA
R453	VRD-RA2EE393J	J 39k	1/4W Carbon	AA	R712	VRD-RA2BE822J	J 8.2k	1/8W Carbon	AA
R454	VRD-RM2HD104J	J 10k	1/2W Carbon	AA	R713	VRD-RM2HD681J	J 680	1/2W Carbon	AA
R455	VRD-RA2BE473J	J 1.5k	1/8W Carbon	AA	▲ R714	VRS-KA3NG3R3K	J 3.3	7.0W M-Ox.	AD
R456	VRS-CY1JF682J	J 6.8k	1/16W M-Ox.	AA	▲ R715	VRW-KQ4AC2R7K	J 2.7	10W Cement	AE
▲ R458	VRS-RG3DB332J	M 3.3k	2W M-Ox.	AA	R716	VRD-RM2HD223J	J 22k	1/2W Carbon	AA
R459	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA	R717	VRN-GA2EB1R0J	J 1.0	1/4W M-Film	AA
▲ R466	VRN-RL3DB1R5J	M 1.5	2W M-Film	AA	▲ R718	VRN-RL3AB2R7J	M 2.7	1W M-Film	AA
▲ R467	VRN-RL3ABR39J	M 0.39	1W M-Film	AA	▲ R719	VRN-RL3LBR56J	M 0.56	3.0W M-Film	AB
R501	VRD-RA2BE124G	J 120k	1/8W Carbon	AA	R751	VRD-RM2HD471J	J 470	1/2W Carbon	AA
R502	VRD-RA2BE823G	J 82k	1/8W Carbon	AB	R752	VRD-RA2BE392J	J 3.9k	1/8W Carbon	AA
R503	VRD-RA2BE473J	J 47k	1/8W Carbon	AA	R754	VRD-RA2BE223J	J 22k	1/8W Carbon	AA
R504	VRD-RA2BE101J	J 100	1/8W Carbon	AB	▲ R755	VRS-RG3LB180J	J 18	3.0W M-Ox.	AD
R505	VRD-RA2BE101J	J 100	1/8W Carbon	AB	R757	VRD-RA2BE472J	J 4.7k	1/8W Carbon	AA
R508	VRD-RA2BE332J	J 3.3k	1/8W Carbon	AA	R760	VRD-RA2EE822J	J 8.2k	1/4W Carbon	AA
R510	VRN-RL3ABR82J	J 0.82	1W M-Film	AA	▲ R761	VRN-RL3AB4R7J	J 4.7	1W M-Film	AB
▲ R511	VRN-RL3ABR56J	J 0.56	1W M-Film	AA	R762	VRS-RG3AB150J	M 15	1W M-Ox.	AA
R512	VRS-RG3AB391J	J 390	1W M-Ox.	AA	R781	VRS-RG3AB470J	J 47	1W M-Ox.	AA
R513	VRD-RA2BE333J	J 33k	1/8W Carbon	AA	R803	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R516	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA	R807	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R518	VRD-RA2BE184J	J 180k	1/8W Carbon	AA	R814	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA
R521	VRD-RA2BE101J	J 100	1/8W Carbon	AB	R817	VRS-CY1JF273J	J 27k	1/16W M-Ox.	AA
R522	VRD-RA2BE471J	J 470	1/8W Carbon	AA	R820	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R523	VRD-RA2BE103J	J 10k	1/8W Carbon	AA	R821	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R524	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	R822	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R525	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA	R823	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R526	VRS-CY1JF562J	J 5.6k	1/16W M-Ox.	AA	R827	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R527	VRD-RA2BE562J	J 5.6k	1/8W Carbon	AA	R828	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R528	VRD-RA2BE183J	J 18k	1/8W Carbon	AA	R830	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R529	VRD-RA2BE103J	J 10k	1/8W Carbon	AA	R1301	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R530	VRD-RA2BE154J	J 150k	1/8W Carbon	AA	R1305	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R531	VRD-RA2BE104J	J 100k	1/8W Carbon	AA	R1306	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R540	VRS-CY1JF391J	J 390	1/16W M-Ox.	AA	R1310	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R541	VRD-RA2BE101J	J 100	1/8W Carbon	AB	R1311	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R601	VRD-RA2BE331J	J 330	1/8W Carbon	AA	R1312	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R602	VRD-RM2HD560J	J 56	1/2W Carbon	AA	R1313	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
▲ R603	VRS-RG3LB120J	M 12	3.0W M-Ox.	AB	R1314	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
	or		(Q602: 2SD2539)		R1315	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
	VRS-RG3LB180J	18	3.0W M-Ox.		R1316	VRS-CY1JF333J	J 33k	1/16W M-Ox.	AA
			(Q602: 2SD1556)		R1320	VRS-CY1JF333J	J 33k	1/16W M-Ox.	AA
▲ R604	VRN-RL3LBR56J	M 0.56	3.0W M-Film	AB	R1321	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R605	VRS-RG2HC102J	J 1.0k	1/2W M-Ox.	AA	R1322	VRS-CY1JF333J	J 33k	1/16W M-Ox.	AA
R606	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA	R1323	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R608	VRD-RA2BE101J	J 100	1/8W Carbon	AB	R1324	VRD-RA2BE101J	J 100	1/8W Carbon	AB
▲ R609	VRS-RG3LB120J	M 12	3.0W M-Ox.	AB	R1325	VRS-CY1JF152J	J 1.5k	1/16W M-Ox.	AA
	or		(Q602: 2SD2539)		R1326	VRS-CY1JF222J	J 2.2k	1/16W M-Ox.	AA
	VRS-RG3LB180J	18	3.0W M-Ox.		R1327	VRS-CY1JF152J	J 1.5k	1/16W M-Ox.	AA
			(Q602: 2SD1556)		R1330	VRS-CY1JF222J	J 2.2k	1/16W M-Ox.	AA
▲ R610	VRN-RL3LBR56J	M 0.56	3.0W M-Film	AB	R1331	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R611	VRD-RA2BE332J	J 3.3k	1/8W Carbon	AA	R1332	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R613	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA	R1333	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R616	VRS-CY1JF182J	J 1.8k	1/16W M-Ox.	AA	R1334	VRD-RA2BE101J	J 100	1/8W Carbon	AB
					R1335	VRD-RA2BE100J	J 10	1/8W Carbon	AA
					R1336	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
					R1337	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
					R1338	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9640WEK1(27L-S500, CL27S50)				
MAIN UNIT (Continued)				
R1339	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R1340	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R1341	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R1351	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R1352	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R1359	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1360	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R1361	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA
R1364	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1402	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1411	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1412	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1413	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1414	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA
R1415	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA
R1416	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA
R1417	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1418	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA
R1419	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2001	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2002	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2003	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2004	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2006	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2007	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R2008	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA
R2009	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R2011	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R2012	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2015	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2016	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R2019	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2021	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2022	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2024	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2025	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2026	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2027	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2028	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R2030	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2033	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA
R2034	VRS-CY1JF105J	J	1.0M 1/16W M-Ox.	AA
R2035	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R2036	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2037	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2038	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R2039	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2040	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R2043	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2046	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2047	VRS-CY1JF822J	J	8.2k 1/16W M-Ox.	AA
R2048	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R2056	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2057	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2058	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2059	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA
R2060	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2061	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2063	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2064	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R2065	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2066	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R2067	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2068	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2069	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R2070	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2071	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2073	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2074	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2075	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R2076	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2077	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
R2078	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
R2095	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
R2096	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2099	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R2501	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2503	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA
R2504	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
R2505	VRS-CY1JF563J	J	56k 1/16W M-Ox.	AA
R2506	VRS-CY1JF563J	J	56k 1/16W M-Ox.	AA
R2507	VRS-CY1JF823J	J	82k 1/16W M-Ox.	AA
R2508	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R2509	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA
R2601	VRD-RA2BE331J	J	330 1/8W Carbon	AA

SWITCHES

S2501	QSW-K0079GEZZ	J	Power	AB
S2502	QSW-K0079GEZZ	J	Vol-down	AB
S2503	QSW-K0079GEZZ	J	Vol-up	AB
S2504	QSW-K0079GEZZ	J	CH-down	AB
S2505	QSW-K0079GEZZ	J	CH-up	AB

MISCELLANEOUS PARTS

△ RY701	RRLYU0036CEZZ	J	Relay	AM
△ F701	QFS-B4023CEZZ	J	Fuse 4A(125V)	AC
or				
	QFS-B4021GEZZ			
FB601	RBLN-0037CEZZ	J	Ferrite bead	AB
FB701	RBLN-0037CEZZ	J	Ferrite bead	AB
FB702	RBLN-0037CEZZ	J	Ferrite bead	AB
FH701	QFSDH1013CEZZ	J	Fuse Holder	AC
FH702	QFSDH1014CEZZ	J	Fuse Holder	AC
J1301	QTANJ0533CEZZ	M	Video/Audio In Terminal	AH
J1302	QSOCD0440CEZZ	J	S-Video In Socket	AH
P602	QPLGN0160FJZZ	J	Plug, 5-pin (K)	AD
P651	QPLGN0361CEZZ	J	Plug, 3-pin	AB
P701	QPLGN0207CEZZ	J	Plug, 2-pin (M)	AA
P702	QPLGN0461CEZZ	J	Plug, 4-pin (YBN)	AB
P703	QPLGN0269GEZZ	J	Plug, 2-pin (P)	AB
P704	QPLGN0304CEZZ	J	Plug, 3-pin (L)	AB
P705	QPLGN0160CEZZ	J	Plug, 1-pin (E)	AB
P902	QPLGN0561CEZZ	J	Plug, 5-pin (HA)	AB
P903	QPLGN0561CEZZ	J	Plug, 5-pin (GBN)	AB
P904	QPLGN0461CEZZ	J	Plug, 4-pin (KA)	AB
P905	QPLGN0761CEZZ	J	Plug, 7-pin (KB)	AD
P906	QPLGN0761CEZZ	J	Plug, 7-pin (KC)	AD
P907	QPLGN0761CEZZ	J	Plug, 7-pin (KD)	AD
P908	QPLGN0561CEZZ	J	Plug, 5-pin (KE)	AB
P1301	QPLGN0241CEZZ	J	Plug, 2-pin (KG)	AA
P2001	QPLGN0361CEZZ	J	Plug, 3-pin (KF)	AB
RMC2601	RRMCU0227CEZZ	J	R/C Receiver	AK
or				
	RRMCU0224CEZZ			
or				
	RRMCU0216CEZZ			
or				
	RRMCU0232CEZZ			
RDA501	PRDAR0234PEFW	M	Heat Sink, for IC501	AH
RDA604	PRDAR0233PEFW	M	Heat Sink, for Q602	AK
RDA707	PRDAR0026PEFW	M	Heat Sink, for D707	AD
RDA708	PRDAR0026PEFW	M	Heat Sink, for D708	AD
RDA751	PRDAR5072CEFW	J	Heat Sink, for Q751	AC
RDA752	PRDAR5072CEFW	J	Heat Sink, for IC751	AC
	LX-BZ3049GEFD	J	Screw	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code	
PWB-A: DUNTK9640WEK2(27L-X2000, CL27X200)										
MAIN UNIT										
INTEGRATED CIRCUITS										
	IC401	RH-iX3113CEZZ	J	TA1276AN	AZ	▲▲ D653	VHD1SS119// -1	J	Diode	AB
▲	IC501	VHiTA8427K/-1	J	TA8427K	AL	▲ D701	RH-DX0154CEZZ	J	Diode	AC
	IC502	VHiTA1241AN-1	J	TA1241AN	AM	▲ D702	RH-DX0154CEZZ	J	Diode	AC
▲▲	IC701	RH-iX0758CEZZ	J	T8150	AF	▲ D703	RH-DX0154CEZZ	J	Diode	AC
▲	IC702	VHiT8889A// -1	J	T8889A	AL	▲ D704	RH-DX0154CEZZ	J	Diode	AC
▲	IC751	VHiKA7809Pi-1	M	KIA7809PI	AE	▲ D705	VHD1SS119// -1	J	Diode	AB
	IC781	VHiKA7805Pi-1	M	KIA7805PI	AE	▲ D706	RH-EX0238CEZZ	J	Zener Diode, 75V	AC
	IC1301	VHiMM1313AD-1	J	MM1313AD	AP	▲▲ D707	VHSS6785GLB2E	J	Si.Control Rectifier	AL
	IC1701	VHiMC14577F-1	J	MC14577BF	AG	▲▲ D708	VHSS6785GLB2E	J	Si.Control Rectifier	AL
	IC1702	VHiM52055FP-1	J	M52055FP	AH	▲ D709	RH-DX0131CEZZ	J	Diode	AC
	IC1703	VHiMM1111XF1E	J	MM1111XFBE	AE	▲ D710	RH-DX0131CEZZ	J	Diode	AC
	IC1704	VHiMM1111XF1E	J	MM1111XFBE	AE	▲ D711	RH-DX0229CEZZ	J	Diode	AF
	IC2001	RH-iX3274CEZZ	M	I.C.	AX		or			
	IC2003	VHiKiA7045P-1	J	KIA7045P	AD		RH-DX0444CEZZ			
	IC2701	VHiKA78S05P-1	J	KIA78S05P	AD	▲ D751	RH-DX0441CEZZ	J	Diode	AC
TRANSISTORS						D752	RH-EX0019TAZZ	J	Zener Diode, 13V	AB
You can substitute "VS2SC2412-C-1" or "VS2SC2462-C-1" for "VS2SD601AR/-1".						D753	RH-DX0441CEZZ	J	Diode	AC
	Q451	VS2SA1266-Y-1	J	2SA1266(Y)	AA	▲ D754	RH-DX0441CEZZ	J	Diode	AC
	Q601	VS2SC2655Y/-1	J	2SC2655(Y)	AE	▲ D755	RH-DX0441CEZZ	J	Diode	AC
▲	Q602	VS2SD2539//1E	J	2SD2539	AP	▲ D756	RH-DX0441CEZZ	J	Diode	AC
		or				D757	VHD1SS119// -1	J	Diode	AB
		VS2SD1556//1E				D758	RH-DX0441CEZZ	J	Diode	AC
						D760	RH-DX0441CEZZ	J	Diode	AC
						D761	RH-DX0441CEZZ	J	Diode	AC
						D1301	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
						D1302	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
						D1303	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
						D1304	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
						D1305	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
						D1306	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
						D1308	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
						D1310	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
						D1311	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
						D2004	VHD1SS119// -1	J	Diode	AB
						D2010	RH-EX0616GEZZ	J	Zener Diode, 5.6V	AA
						D2701	VHD1SS119// -1	J	Diode	AB
					PACKAGED CIRCUITS					
	Q606	VS2SC3198-Y-1	J	2SC3198(Y)	AA	▲ PR701	RMPTP0088CEZZ	M	Packaged Circuit	AE
▲	Q751	VS2SC1983// -2	J	2SC1983	AF		or		(L702: G0038ME)	
	Q752	VS2SC3198-Y-1	J	2SC3198(Y)	AA		RMPTP0026CEZZ		Packaged Circuit	
	Q753	VS2SA1013//1E	J	2SA1013	AD				(L702: G0032ME)	
	Q1301	VS2SD601AR/-1	J	2SD601AR	AC	X801	RCRSB0001PEZZ	R	Crystal	AL
	Q1302	VS2SD601AR/-1	J	2SD601AR	AC		or			
	Q1402	VS2SB709AR/-1	J	2SB709AR	AC		RCRSB0205CEZZ			
	Q1404	VS2SD601AR/-1	J	2SD601AR	AC	FILTERS				
	Q1405	VS2SD601AR/-1	J	2SD601AR	AC	CF501	RFiLA0034CEZZ	J	Ceramic Filter	AD
	Q2004	VSUN2212///-1	J	VSUN2212	AA	CF2001	RFiLC0121GEZZ	J	Ceramic Filter	AD
	Q2005	VS2SD601AR/-1	J	2SD601AR	AC	COILS				
	Q2008	VS2SD601AR/-1	J	2SD601AR	AC	DL1401	RCiLZ0938CEZZ	J	Coil	AW
	Q2009	VS2SD601AR/-1	J	2SD601AR	AC	L601	RCiLZ0621CEZZ	J	Coil	AH
DIODES							or			
You can substitute "RH-DX0475CEZZ" for "VHD1SS119// -1".							RCiLZ0101MEZZ			
	D406	VHD1SS119// -1	J	Diode	AB	▲ L701	RCiLF0025PEZZ	R	Coil (27L-X2000)	AK
	D451	VHD1SS119// -1	J	Diode	AB		or			
	D452	RH-EX0217CEZZ	J	Zener Diode, 15V	AB		RCiLF0029PEZZ			
	D453	RH-EX0217CEZZ	J	Zener Diode, 15V	AB		or			
	D454	RH-EX0611GEZZ	J	Zener Diode, 5.1V	AA		RCiLF0087PEZZ			
		or					or			
		RH-EX0293CEZZ					RCiLF0235CEZZ			
	D455	VHD1SS119// -1	J	Diode	AB		or			
	D456	VHD1SS119// -1	J	Diode	AB		RCiLF0019PEZZ			
	D457	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA		or			
		or					RCiLF0090CEZZ			
		RH-EX1314CEZZ					or			
	D501	RH-DX0441CEZZ	J	Diode	AC		RCiLF0133CEZZ			
	D503	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA	▲ L701	RCiLF0133CEZZ	J	Coil (CL27X200)	AL
	D506	RH-EX0654CEZZ	J	Zener Diode, 75V	AD	L1404	VP-XF680K0000	J	Peaking 68μH	AB
▲	D510	RH-DX0131CEZZ	J	Diode	AC	T2001	RCiLB0158CEZZ	M	Oscillation Coil	AC
	D513	RH-DX0441CEZZ	J	Diode	AC	TRANSFORMERS				
	D523	RH-EX0604GEZZ	J	Zener Diode, 3V	AB	▲ T601	RTRNZ0168CEZZ	J	H-Driver	AH
	D617	RH-EX0630GEZZ	J	Zener Diode, 9V	AA	▲▲ T602	RTRNF0020MEZZ	M	H-Out	BC
		or								
		RH-EX1314CEZZ								
	D619	VHD1SS119// -1	J	Diode	AB					
	D620	RH-EX0604GEZZ	J	Zener Diode, 3.9V	AB					
▲▲	D651	RH-DX0131CEZZ	J	Diode	AC					
▲▲	D652	RH-EX1313CEZZ	J	Zener Diode, 9.1V	AD					

PWB-A: DUNTK9640WEK2(27L-X2000, CL27X200)
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
△ T701	RTRNP0533CEZZ	M	Power (27L-X2000)	AL
△ T701	RTRNP0549CEZZ	M	Power (CL27X200)	AM
	or			
	RTRNP0516CEZZ			
CAPACITORS				
<i>[EL... Electrolytic, M-Poly... Metalized Polypro Film]</i>				
C401	VCEA0A1CW337M	J	330 16V EL.	AC
C403	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C404	VCEA0A1HW105M	J	1.0 50V EL.	AB
C405	VCEA0A1HW225M	J	2.2 50V EL.	AB
C406	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C407	VCEA0A1CW337M	J	330 16V EL.	AC
C408	VCEA0A1HW474M	J	0.47 50V EL.	AB
C409	VCFYSA1HB334J	J	0.33 50V Mylar	AB
C427	VCFYSA1HB104J	J	0.1 50V Mylar	AB
C440	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C441	VCEA0A1CW337M	J	330 16V EL.	AC
C451	RC-QZA104TAYK	J	0.1 50V Mylar	AB
C452	VCEA0A1HW475M	J	4.7 50V EL.	AB
△ C453	VCEA0A2EW226M	J	22 250V EL.	AC
C456	VCEA0A1CW226M	J	22 16V EL.	AB
C502	VCEA0A1VW108M	J	1000 35V EL.	AD
C504	VCKYPA2HB391K	J	390p 500V Ceramic	AA
C506	RC-QZA103TAYK	J	0.01 50V Mylar	AA
C507	VCEA0A1VW107M	J	100 35V EL.	AC
C510	VCEA0A1VW108M	J	1000 35V EL.	AD
C511	VCFYSA1JA473J	J	0.047 63V Mylar	AC
C512	VCFYSA1JA564J	J	0.56 63V Mylar	AE
C513	VCEA0A1HW474M	J	0.47 50V EL.	AB
C514	VCEACA1HC105K	J	1.0 50V EL.	AC
C515	VCEACA1HC474K	J	0.47 50V EL.	AB
C521	RC-QZA102TAYK	J	1000P 50V Mylar	AA
C522	VCEA0A1CW477M	J	470 16V EL.	AC
C523	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C524	VCFYSA1HB223J	J	0.022 50V Mylar	AA
C525	VCEACA1HC225J	J	2.2 50V EL.	AC
C526	VCEAGA1HW334T	J	0.33 50V EL.	AC
C528	RC-QZA473TAYK	J	0.047 50V Mylar	AB
C538	VCCSPA1HL101J	J	100p 50V Ceramic	AA
C601	VCFYSA1HB103J	J	0.01 50V Mylar	AA
C603	RC-QZA273TAYK	J	0.027 50V Mylar	AB
C604	VCEA0A1EW227M	J	220 25V EL.	AA
△△ C607	VCFPPD3CA692H	J	6900p 1.6kV M-Poly.	AE
△△ C608	VCFPPD3CA692H	J	6900p 1.6kV M-Poly.	AE
C612	VCFPPD2DB474J	J	0.47 200V M-Poly.	AE
C613	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C614	VCKYPA2HB331K	J	330p 500V Ceramic	AA
C616	VCEA0A1HW225M	J	2.2 50V EL.	AB
C617	VCEA0A1HW225M	J	2.2 50V EL.	AB
C618	VCFYSA1HB223J	J	0.022 50V EL.	AA
C619	VCEA0A1CW337M	J	330 16V EL.	AC
C620	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C621	VCKYCY1HB152K	J	1500p 50V Ceramic	AA
C652	VCEA0A1HW106M	J	10 50V EL.	AB
△ C701	RC-FZ017SCEZZ	J	0.22 AC250V Plastic	AD
	or			
	RC-FZ012SGEZZ			
	or			
	RC-FZ084CGEZZ			
	or			
	RC-FZ032CUMZZ	0.47	AC250V	
C702	RC-KZ0029CEZZ	J	0.01 AC250V Ceramic	AC
	or			
	VCKYPB2HE103P	0.01	500V	
C703	RC-KZ0029CEZZ	J	0.01 AC250V Ceramic	AC
	or			
	VCKYPB2HE103P	0.01	500V	
C704	VCKYPA2HB472K	J	4700p 500V Ceramic	AB
△ C705	RC-EZ0722CEZZ	M	820 200V EL	AL
	or			
	RC-EZ0685CEZZ			

Ref. No.	Part No.	★	Description	Code
	or			
	RC-EZ0657CEZZ			
	or			
	RC-EZ0395CEZZ			
△ C706	RC-KZ0092GEZZ	J	0.0033 AC250V Ceramic	AC
	or			
	RC-KZ0311CEZZ			
C707	VCKYPA2HB272K	J	2700p 500V Ceramic	AA
C708	VCKYPA2HB391K	J	390p 500V Ceramic	AA
C709	RC-QZ0010CEZZ	J	0.01 250V Ceramic	AC
C710	RC-QZ0010CEZZ	J	0.01 250V Ceramic	AC
C711	VCKYPA2HB391K	J	390p 500V Ceramic	AA
C712	VCKYPA2HB272K	J	2700p 500V Ceramic	AA
△ C713	RC-EZ0696CEZZ	M	220 160V EL.	AG
C714	RC-QZA273TAYK	J	0.027 50V Mylar	AB
△△ C715	RC-QZA103TAYK	J	0.01 50V Mylar	AA
C717	VCEA0A1HW106M	J	10 50V EL.	AB
C721	VCEA0A1EW477M	J	470 25V EL.	AD
C722	VCKYPA2HB152K	J	1500p 500V Ceramic	AA
C751	VCEA0A1EW476M	J	47 25V EL.	AB
C753	VCEA0A1VW337M	J	330 35V EL.	AD
C754	VCEA0A1CW107M	J	100 16V EL.	AC
C756	VCEA0A1CW337M	J	330 16V EL.	AC
C760	RC-QZA393TAYK	J	0.039 50V Mylar	AB
C781	VCEA0A1HW106M	J	10 50V EL.	AB
C782	VCEA0A1HW106M	J	10 50V EL.	AB
C803	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C806	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C807	VCEA0A1HW225M	J	2.2 50V EL.	AB
C812	VCEAGA1HW224T	J	0.22 50V EL.	AB
C813	VCQYTA1HM222J	J	2200p 50V Mylar	AA
C814	VCCCCY1HH110J	J	11p 50V Ceramic	AA
C817	VCCCCY1HH1R0C	J	1.0p 50V Ceramic	AA
C818	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C819	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C843	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C844	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C845	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1301	RC-QZA104TAYK	J	0.1 50V Mylar	AB
C1302	VCEA0A1HW106M	J	10 50V EL.	AB
C1303	VCEA0A1HW106M	J	10 50V EL.	AB
C1304	RC-QZA104TAYK	J	0.1 50V Mylar	AB
C1305	VCEA0A1HW105M	J	1.0 50V EL.	AB
C1306	VCEA0A1HW105M	J	1.0 50V EL.	AB
C1307	RC-QZA183TAYK	J	0.018 50V Mylar	AB
C1308	VCEA0A1HW335M	J	3.3 50V EL.	AB
C1309	VCEA0A1HW335M	J	3.3 50V EL.	AB
C1310	RC-QZA104TAYK	J	0.1 50V Mylar	AB
C1311	RC-QZA183TAYK	J	0.018 50V Mylar	AB
C1312	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1313	VCKYCY1HB271K	J	270p 50V Ceramic	AA
C1314	VCKYCY1HB271K	J	270p 50V Ceramic	AA
C1315	VCKYCY1HB271K	J	270p 50V Ceramic	AA
C1316	VCKYCY1HB271K	J	270p 50V Ceramic	AA
C1320	VCKYCY1HB271K	J	270p 50V Ceramic	AA
C1321	VCKYCY1HB271K	J	270p 50V Ceramic	AA
C1323	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1324	RC-QZA104TAYK	J	0.1 50V Mylar	AB
C1325	VCEA0A1CW226M	J	22 16V EL.	AB
C1326	VCEA0A1CW107M	J	100 16V EL.	AC
C1327	VCKYCY1HB271K	J	270p 50V Ceramic	AA
C1328	VCKYCY1HB271K	J	270p 50V Ceramic	AA
C1329	VCEA0A1HW475M	J	4.7 50V EL.	AB
C1330	RC-QZA104TAYK	J	0.1 50V Mylar	AB
C1331	VCEA0A1HW475M	J	4.7 50V EL.	AB
C1333	VCE9GA1CW106M	J	10 16V EL. (N.P)	AB
C1334	VCE9GA1CW106M	J	10 16V EL. (N.P)	AB
C1335	RC-QZA104TAYK	J	0.1 50V Mylar	AB
C1336	RC-QZA104TAYK	J	0.1 50V Mylar	AB
C1338	RC-QZA104TAYK	J	0.1 50V Mylar	AB
C1339	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1412	VCEA0A1CW476M	J	47 16V EL.	AB
C1414	VCEA0A1CW476M	J	47 16V EL.	AB
C1417	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1418	VCCCCY1HH150J	J	15p 50V Ceramic	AA
C1419	VCCCCY1HH150J	J	15p 50V Ceramic	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code		
PWB-A: DUNTK9640WEK2(27L-X2000, CL27X200)					R410	VRS-CY1JF820J	J 82	1/16W	M-Ox.	AA	
MAIN UNIT (Continued)					R411	VRS-CY1JF820J	J 82	1/16W	M-Ox.	AA	
C1420	VCKYCY1HB103K	J	0.01 50V	Ceramic	AA	R412	VRS-CY1JF820J	J 82	1/16W	M-Ox.	AA
C1701	VCEA0A1HW106M	J	10 50V	EL.	AB	R418	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
C1702	VCEA0A1CW337M	J	330 16V	EL.	AC	R419	VRS-CY1JF822J	J 8.2k	1/16W	M-Ox.	AA
C1703	VCEA0A1HW106M	J	10 50V	EL.	AB	R425	VRS-CY1JF224J	J 220k	1/16W	M-Ox.	AA
C1704	VCEA0A1HW106M	J	10 50V	EL.	AB	R435	VRS-CY1JF395J	J 3.9M	1/16W	M-Ox.	AA
C1706	VCEA0A1HW106M	J	10 50V	EL.	AB	△ R451	VRS-RG2HC103J	J 10k	1/2W	M-Ox.	AA
C1707	VCKYCY1HF103Z	J	0.01 50V	Ceramic	AA	R452	VRD-RA2BE103J	J 10k	1/8W	Carbon	AA
C1708	VCEA0A1HW106M	J	10 50V	EL.	AB	R453	VRD-RA2EE393J	J 39k	1/4W	Carbon	AA
C1710	VCEA0A1HW106M	J	10 50V	EL.	AB	R454	VRD-RM2HD104J	J 10k	1/2W	Carbon	AA
C1711	VCEA0A1CW476M	J	47 16V	EL.	AB	R455	VRD-RA2BE152J	J 1.5k	1/8W	Carbon	AA
C1712	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB	R456	VRS-CY1JF682J	J 6.8k	1/16W	M-Ox.	AA
C1714	VCEA0A1HW106M	J	10 50V	EL.	AB	△ R458	VRS-RG3DB332J	M 3.3k	2W	M-Ox.	AA
C1718	VCEA0A1HW106M	J	10 50V	EL.	AB	R459	VRD-RA2BE102J	J 1.0k	1/8W	Carbon	AA
C1720	VCEA0A1HW106M	J	10 50V	EL.	AB	△ R466	VRN-RL3DB1R5J	M 1.5	2W	M-Film	AA
C1723	VCEA0A1HW106M	J	10 50V	EL.	AB	△ R467	VRN-RL3ABR39J	M 0.39	1W	M-Film	AA
C1724	VCFYSA1HB104J	J	0.1 50V	Mylar	AB	R501	VRD-RA2BE124G	J 120k	1/8W	Carbon	AA
C1725	VCFYSA1HB104J	J	0.1 50V	Mylar	AB	R502	VRD-RA2BE823G	J 82k	1/8W	Carbon	AB
C1726	VCFYSA1HB104J	J	0.1 50V	Mylar	AB	R503	VRD-RA2BE473J	J 47k	1/8W	Carbon	AA
C1727	VCEA0A1HW106M	J	10 50V	EL.	AB	R504	VRD-RA2BE101J	J 100	1/8W	Carbon	AB
C1728	VCEA0A1HW106M	J	10 50V	EL.	AB	R505	VRD-RA2BE101J	J 100	1/8W	Carbon	AB
C1741	VCE9GA1CW106M	J	10 16V	EL. (N.P)	AB	R508	VRD-RA2BE332J	J 3.3k	1/8W	Carbon	AA
C1742	VCE9GA1CW106M	J	10 16V	EL. (N.P)	AB	R510	VRN-RL3ABR82J	J 0.82	1W	M-Film	AA
C2006	VCEA0A1HW105M	J	1.0 50V	EL.	AB	△ R511	VRN-RL3ABR56J	J 0.56	1W	M-Film	AA
C2007	VCKYCY1HB561K	J	560p 50V	Ceramic	AA	R512	VRS-RG3AB391J	J 390	1W	M-Ox.	AA
C2008	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB	R513	VRD-RA2BE333J	J 33k	1/8W	Carbon	AA
C2009	VCKYCY1HB102K	J	1000p 50V	Ceramic	AA	R516	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
C2010	VCKYCY1HB221K	J	220p 50V	Ceramic	AA	R518	VRD-RA2BE184J	J 180k	1/8W	Carbon	AA
C2011	VCEA0A1HW105M	J	1.0 50V	EL.	AB	R521	VRD-RA2BE101J	J 100	1/8W	Carbon	AB
C2012	VCKYCY1HF103Z	J	0.01 50V	Ceramic	AA	R522	VRD-RA2BE471J	J 470	1/8W	Carbon	AA
C2014	VCKYCY1HB102K	J	1000p 50V	Ceramic	AA	R523	VRD-RA2BE103J	J 10k	1/8W	Carbon	AA
C2015	VCKYCY1HB102K	J	1000p 50V	Ceramic	AA	R524	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
C2016	VCKYCY1HF103Z	J	0.01 50V	Ceramic	AA	R525	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
C2017	VCCCCY1HH101J	J	100p 50V	Ceramic	AA	R526	VRS-CY1JF562J	J 5.6k	1/16W	M-Ox.	AA
C2018	VCCCCY1HH101J	J	100p 50V	Ceramic	AA	R527	VRD-RA2BE562J	J 5.6k	1/8W	Carbon	AA
C2019	VCKYCY1HB102K	J	1000p 50V	Ceramic	AA	R528	VRD-RA2BE183J	J 18k	1/8W	Carbon	AA
C2020	VCKYCY1HB472K	J	4700p 50V	Ceramic	AA	R529	VRD-RA2BE103J	J 10k	1/8W	Carbon	AA
C2021	VCKYCY1HF103Z	J	0.01 50V	Ceramic	AA	R530	VRD-RA2BE154J	J 150k	1/8W	Carbon	AA
C2022	VCEA0A1HW106M	J	10 50V	EL.	AB	R531	VRD-RA2BE104J	J 100k	1/8W	Carbon	AA
C2026	VCEA0A0JW477M	J	470 6.3V	EL.	AC	R540	VRS-CY1JF391J	J 390	1/16W	M-Ox.	AA
C2027	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB	R541	VRD-RA2BE101J	J 100	1/8W	Carbon	AB
C2028	VCEA0A1AW107M	J	100 10V	EL.	AB	R601	VRD-RA2BE331J	J 330	1/8W	Carbon	AA
C2032	VCCCCY1HH270J	J	27p 50V	Ceramic	AA	R602	VRD-RM2HD560J	J 56	1/2W	Carbon	AA
C2034	VCCCCY1HH390J	J	39p 50V	Ceramic	AA	△ R603	VRS-RG3LB120J	M 12	3.0W	M-Ox.	AB
C2601	VCEA0A1HW475M	J	4.7 50V	EL.	AB		or	(Q602: 2SD2539)			
C2602	VCCCCY1HH101J	J	100p 50V	Ceramic	AA		VRS-RG3LB180J	18	3.0W	M-Ox.	
C2701	VCEA0A1CW228M	J	2200 16V	EL.	AD			(Q602: 2SD1556)			
RESISTORS											
[M-Ox.... Metal Oxide, M-Film... Metal Film]											
RJ1	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ3	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ7	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ9	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ12	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ13	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ15	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ51	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ52	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ56	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ57	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ58	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ59	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ60	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ65	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ66	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ67	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ68	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ70	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ81	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ82	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
RJ85	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA						
R407	VRD-RA2BE103J	J	10k 1/8W	Carbon	AA						

PWB-A: DUNK9640WEK2(27L-X2000, CL27X200)
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
△ R707	VRS-KA3NG331K	M 330	7.0W M-Ox.	AC
△ R708	VRD-RM2HD330J	J 33	1/2W Carbon	AA
△ R709	VRS-KA3NG331K	M 330	7.0W M-Ox.	AC
△ R710	VRD-RM2HD330J	J 33	1/2W Carbon	AA
△ R711	VRN-GA2EB1R0J	J 1.0	1/4W M-Film	AA
R712	VRD-RA2BE822J	J 8.2k	1/8W Carbon	AA
R713	VRD-RM2HD681J	J 680	1/2W Carbon	AA
△ R714	VRS-KA3NG3R3K	J 3.3	7.0W M-Ox.	AD
△ R715	VRW-KQ4AC2R7K	J 2.7	10W Cement	AE
R716	VRD-RM2HD223J	J 22k	1/2W Carbon	AA
R717	VRN-GA2EB1R0J	J 1.0	1/4W M-Film	AA
△ R718	VRN-RL3AB2R7J	M 2.7	1W M-Film	AA
△ R719	VRN-RL3LBR56J	M 0.56	3.0W M-Film	AB
R751	VRD-RM2HD471J	J 470	1/2W Carbon	AA
R752	VRD-RA2BE392J	J 3.9k	1/8W Carbon	AA
R754	VRD-RA2BE223J	J 22k	1/8W Carbon	AA
△ R755	VRS-RG3LB180J	J 18	3.0W M-Ox.	AD
R757	VRD-RA2BE472J	J 4.7k	1/8W Carbon	AA
R760	VRD-RA2EE822J	J 8.2k	1/4W Carbon	AA
△ R761	VRN-RL3AB4R7J	J 4.7	1W M-Film	AB
R762	VRS-RG3AB150J	M 1.5	1W M-Ox.	AA
R781	VRS-RG3AB470J	J 47	1W M-Ox.	AA
R803	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R807	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R814	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA
R817	VRS-CY1JF273J	J 27k	1/16W M-Ox.	AA
R820	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R821	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R822	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R823	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R827	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R828	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R830	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1301	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R1302	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R1305	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R1306	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R1307	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R1308	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R1309	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R1310	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1311	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R1312	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1313	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R1314	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1315	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
R1316	VRS-CY1JF333J	J 33k	1/16W M-Ox.	AA
R1317	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1318	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R1319	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R1320	VRS-CY1JF333J	J 33k	1/16W M-Ox.	AA
R1321	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1322	VRS-CY1JF333J	J 33k	1/16W M-Ox.	AA
R1323	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1324	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1325	VRS-CY1JF152J	J 1.5k	1/16W M-Ox.	AA
R1326	VRS-CY1JF222J	J 2.2k	1/16W M-Ox.	AA
R1327	VRS-CY1JF152J	J 1.5k	1/16W M-Ox.	AA
R1328	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1329	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1330	VRS-CY1JF222J	J 2.2k	1/16W M-Ox.	AA
R1331	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1332	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1333	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1334	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1335	VRD-RA2BE100J	J 100	1/8W Carbon	AA
R1336	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R1337	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1338	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R1339	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R1340	VRS-CY1JF104J	J 100k	1/16W M-Ox.	AA
R1341	VRS-CY1JF104J	J 100k	1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
R1351	VRS-CY1JF104J	J 100k	1/16W M-Ox.	AA
R1352	VRS-CY1JF104J	J 100k	1/16W M-Ox.	AA
R1353	VRS-CY1JF104J	J 100k	1/16W M-Ox.	AA
R1354	VRS-CY1JF104J	J 100k	1/16W M-Ox.	AA
R1359	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
R1360	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R1361	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R1362	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1363	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1364	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R1402	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R1411	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R1412	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
R1413	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
R1414	VRS-CY1JF562J	J 5.6k	1/16W M-Ox.	AA
R1415	VRS-CY1JF152J	J 1.5k	1/16W M-Ox.	AA
R1416	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA
R1417	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R1418	VRS-CY1JF183J	J 18k	1/16W M-Ox.	AA
R1419	VRS-CY1JF682J	J 6.8k	1/16W M-Ox.	AA
R1701	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R1702	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1703	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R1704	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1705	VRS-CY1JF750J	J 75	1/16W M-Ox.	AA
R1706	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1707	VRS-CY1JF821J	J 820	1/16W M-Ox.	AA
R1708	VRS-CY1JF821J	J 820	1/16W M-Ox.	AA
R1709	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R1710	VRS-CY1JF152J	J 1.5k	1/16W M-Ox.	AA
R1711	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R1712	VRS-CY1JF392J	J 3.9k	1/16W M-Ox.	AA
R1713	VRS-CY1JF152J	J 1.5k	1/16W M-Ox.	AA
R1714	VRS-CY1JF561J	J 560	1/16W M-Ox.	AA
R1715	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1717	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R1728	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R1729	VRD-RA2BE101J	J 100	1/8W Carbon	AB
R1731	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R1732	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R1733	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R2001	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R2002	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R2003	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R2004	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R2006	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
R2007	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R2008	VRS-CY1JF273J	J 27k	1/16W M-Ox.	AA
R2009	VRS-CY1JF223J	J 22k	1/16W M-Ox.	AA
R2011	VRS-CY1JF473J	J 47k	1/16W M-Ox.	AA
R2012	VRS-CY1JF103J	J 10k	1/16W M-Ox.	AA
R2013	VRD-RA2BE103J	J 10k	1/8W Carbon	AA
R2014	VRD-RA2BE103J	J 10k	1/8W Carbon	AA
R2015	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R2016	VRD-RA2BE473J	J 47k	1/8W Carbon	AA
R2017	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R2019	VRS-CY1JF682J	J 6.8k	1/16W M-Ox.	AA
R2021	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R2022	VRS-CY1JF682J	J 6.8k	1/16W M-Ox.	AA
R2024	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R2025	VRS-CY1JF682J	J 6.8k	1/16W M-Ox.	AA
R2026	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA
R2027	VRS-CY1JF682J	J 6.8k	1/16W M-Ox.	AA
R2028	VRS-CY1JF222J	J 2.2k	1/16W M-Ox.	AA
R2030	VRS-CY1JF682J	J 6.8k	1/16W M-Ox.	AA
R2033	VRS-CY1JF471J	J 470	1/16W M-Ox.	AA
R2034	VRS-CY1JF105J	J 1.0M	1/16W M-Ox.	AA
R2035	VRS-CY1JF153J	J 15k	1/16W M-Ox.	AA
R2036	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R2037	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R2038	VRD-RA2BE223J	J 22k	1/8W Carbon	AA
R2039	VRD-RA2BE102J	J 1.0k	1/8W Carbon	AA
R2040	VRD-RA2BE223J	J 22k	1/8W Carbon	AA
R2043	VRS-CY1JF102J	J 1.0k	1/16W M-Ox.	AA
R2046	VRD-RA2BE103J	J 10k	1/8W Carbon	AA
R2047	VRS-CY1JF822J	J 8.2k	1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9640WEK2(27L-X2000, CL27X200)					P2001	QPLGN0361CEZZ	J	Plug, 3-pin (KF)	AB
MAIN UNIT (Continued)					RMC2601	RRMCU0227CEZZ	J	R/C Receiver	AK
						or			
						RRMCU0224CEZZ			
						or			
						RRMCU0216CEZZ			
						or			
						RRMCU0232CEZZ			
R2048	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	RDA501	PRDAR0234PEFW	R	Heat Sink, for IC501	AH
R2050	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	RDA604	PRDAR0233PEFW	R	Heat Sink, for Q602	AK
R2056	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	RDA707	PRDAR0026PEFW	R	Heat Sink, for D707	AD
R2057	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	RDA708	PRDAR0026PEFW	R	Heat Sink, for D708	AD
R2058	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	RDA751	PRDAR5072CEFW	J	Heat Sink, for Q751	AC
R2059	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	RDA752	PRDAR5072CEFW	J	Heat Sink, for IC751	AC
R2060	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA		LX-BZ3049GEFD	J	Screw	AA
R2061	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA					
R2063	VRD-RA2BE103J	J	10k 1/8W Carbon	AA					
R2064	VRD-RA2BE153J	J	15k 1/8W Carbon	AA					
R2065	VRD-RA2BE103J	J	10k 1/8W Carbon	AA					
R2066	VRD-RA2BE153J	J	15k 1/8W Carbon	AA					
R2067	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA					
R2068	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA					
R2069	VRD-RA2BE123J	J	12k 1/8W Carbon	AA					
R2070	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA					
R2071	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA					
R2073	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA					
R2074	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA					
R2075	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA					
R2076	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA					
R2077	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA					
R2078	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA					
R2095	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA					
R2096	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA					
R2099	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA					
R2501	VRD-RA2BE103J	J	10k 1/8W Carbon	AA					
R2503	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA					
R2504	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA					
R2505	VRS-CY1JF563J	J	56k 1/16W M-Ox.	AA					
R2506	VRS-CY1JF563J	J	56k 1/16W M-Ox.	AA					
R2507	VRS-CY1JF823J	J	82k 1/16W M-Ox.	AA					
R2508	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA					
R2509	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA					
R2601	VRD-RA2BE331J	J	330 1/8W Carbon	AA					
SWITCHES									
S2501	QSW-K0079GEZZ	J	Power	AB					
S2502	QSW-K0079GEZZ	J	Vol-down	AB					
S2503	QSW-K0079GEZZ	J	Vol-up	AB					
S2504	QSW-K0079GEZZ	J	CH-down	AB					
S2505	QSW-K0079GEZZ	J	CH-up	AB					
MISCELLANEOUS PARTS									
△ RY701	RRLYU0036CEZZ	J	Relay	AM					
△ F701	QFS-B4023CEZZ	J	Fuse 4A(125V)	AC					
	or								
	QFS-B4021GEZZ								
FB601	RBLN-0037CEZZ	J	Ferrite Bead	AB					
FB701	RBLN-0037CEZZ	J	Ferrite Bead	AB					
FB702	RBLN-0037CEZZ	J	Ferrite Bead	AB					
FH701	QFSDH1013CEZZ	J	Fuse Holder	AC					
FH702	QFSDH1014CEZZ	J	Fuse Holder	AC					
J1301	QTANJ0821CEZZ	M	Video/Audio In Terminal	AL					
J1302	QSOD0440CEZZ	J	S-Video In Socket	AH					
J1701	QTANJ0527CEZZ	M	Component In Terminal	AH					
P601	QPLGN0361CEZZ	J	Plug, 3-pin (PA)	AB					
P602	QPLGN0160FJZZ	J	Plug, 5-pin (K)	AD					
P651	QPLGN0361CEZZ	J	Plug, 3-pin	AB					
P701	QPLGN0207CEZZ	J	Plug, 2-pin (M)	AA					
P702	QPLGN0461CEZZ	J	Plug, 4-pin (YBN)	AB					
P703	QPLGN0269GEZZ	J	Plug, 2-pin (P)	AB					
P704	QPLGN0304CEZZ	J	Plug, 3-pin (L)	AB					
P705	QPLGN0160CEZZ	J	Plug, 1-pin (E)	AB					
P902	QPLGN0561CEZZ	J	Plug, 5-pin (HA)	AB					
P903	QPLGN0561CEZZ	J	Plug, 5-pin (GBN)	AB					
P904	QPLGN0761CEZZ	J	Plug, 7-pin (KA)	AD					
P905	QPLGN0761CEZZ	J	Plug, 7-pin (KB)	AD					
P906	QPLGN0761CEZZ	J	Plug, 7-pin (KC)	AD					
P907	QPLGN0761CEZZ	J	Plug, 7-pin (KD)	AD					
P908	QPLGN0561CEZZ	J	Plug, 5-pin (KE)	AB					
P1301	QPLGN0241CEZZ	J	Plug, 2-pin (KG)	AA					

Ref. No. Part No. ★ Description Code

PWB-B: DUNTK9510WEK2(27L-S500, CL27S50)
CRT UNIT
TRANSISTORS

Q851	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Q852	VS2SC3789//2E	J	2SC3789	AF
	or			
	VS2SC3619LB1E			
Q853	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Q854	VS2SC3789//2E	J	2SC3789	AF
	or			
	VS2SC3619LB1E			
Q855	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Q856	VS2SC3789//2E	J	2SC3789	AF
	or			
	VS2SC3619LB1E			
Q881	VS2SA1266-Y-1	J	2SA1266(Y)	AA

DIODES

You can substitute "RH-DX0475CEZZ" for "VHD1SS119//1".

D881	VHD1SS119//1	J	Diode	AB
D882	VHD1SS119//1	J	Diode	AB
D884	VHD1SS119//1	J	Diode	AB

COIL

L851	VP-MK820K0000	J	Peaking 82μH	AB
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CAPACITORS

[EL... Electrolytic]

C851	VCCSPA1HL391J	J	390p 50V Ceramic	AA
C852	VCCSPA1HL331J	J	330p 50V Ceramic	AA
C853	VCCSPA1HL391J	J	390p 50V Ceramic	AA
C854	RC-KZ0024CEZZ	J	0.001 2kV Ceramic	AC
	or			
	VCKYPB3DE472Z		0.0047 2kV Ceramic	
C883	VCEA0A1HW106M	J	10 50V EL.	AB

RESISTORS

[M-Ox... Metal Oxide]

R851	VRD-RA2BE470J	J	47 1/8W Carbon	AA
R852	VRD-RA2BE181J	J	180 1/8W Carbon	AA
R853	VRD-RA2BE121J	J	120 1/8W Carbon	AA
R855	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R856	VRD-RA2BE221J	J	220 1/8W Carbon	AA
△ R857	VRS-VV3LB123J	J	12k 3.0W M-Ox.	AB
R858	VRD-RM2HD222J	J	2.2k 1/2W Carbon	AA
R859	VRD-RA2BE470J	J	47 1/8W Carbon	AA
R860	VRD-RA2BE181J	J	180 1/8W Carbon	AA
R861	VRD-RA2BE121J	J	120 1/8W Carbon	AA
R863	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R864	VRD-RA2BE221J	J	220 1/8W Carbon	AA
△ R865	VRS-VV3LB123J	J	12k 3.0W M-Ox.	AB
R866	VRD-RM2HD222J	J	2.2k 1/2W Carbon	AA
R867	VRD-RA2BE470J	J	47 1/8W Carbon	AA
R868	VRD-RA2BE181J	J	180 1/8W Carbon	AA
R869	VRD-RA2BE121J	J	120 1/8W Carbon	AA
R871	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R872	VRD-RA2BE221J	J	220 1/8W Carbon	AA
△ R873	VRS-VV3LB123J	J	12k 3.0W M-Ox.	AB
R874	VRD-RM2HD222J	J	2.2k 1/2W Carbon	AA
R881	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R882	VRD-RA2BE271J	J	270 1/8W Carbon	AA
R883	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R884	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R895	VRD-RA2BE470J	J	47 1/8W Carbon	AA

MISCELLANEOUS PARTS

P851	QPLGN0541CEZZ	J	Plug, 5-pin(GBN)	AB
P852	QPLGN0441CEZZ	J	Plug, 4-pin(YBN)	AB
SC851	QSOCV0937CEZZ	J	CRT Socket	AL

Ref. No. Part No. ★ Description Code

PWB-B: DUNTK9835WEK2(27L-X2000, CL27X200)
CRT UNIT
INTEGRATED CIRCUITS

IC850	VHiTDA6101Q-1	J	TDA6101Q	AH
IC851	VHiTDA6101Q-1	J	TDA6101Q	AH
IC852	VHiTDA6101Q-1	J	TDA6101Q	AH

TRANSISTORS

Q851	VS2SA1246//1E	J	2SA1246	AE
Q852	VS2SC3198-Y-1	J	2SC3198(Y)	AA

DIODES

D850	RH-EX0647GEZZ	J	Zener Diode, 15V	AA
D851	VHD1SS119//1	J	Diode	AB
D852	RH-EX0718GEZZ	J	Zener Diode, 2.5V	AB
D853	RH-EX0647GEZZ	J	Zener Diode, 15V	AA
D854	RH-EX0647GEZZ	J	Zener Diode, 15V	AA
D860	RH-EX0718GEZZ	J	Zener Diode, 2.5V	AB
D862	RH-DX0220CEZZ	J	Diode	AB

CAPACITORS

[EL... Electrolytic]

C850	VCEA0A1CW477M	J	470 16V EL.	AC
C853	VCEA0A1CW227M	J	220 16V EL.	AC
C863	VCEA0A1HW106M	J	10 50V EL.	AB
C868	VCEA0A2EW106M	J	10 250V EL.	AD
C869	RC-KZ0153CEZZ	J	0.001 3kV Ceramic	AB
C870	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C871	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C873	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C874	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C876	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C877	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C880	RC-FZ0373CEZZ	J	0.033 250V Mylar	AC
C881	VCQYTA1HM472J	J	4700p 50V Mylar	AB
C882	RC-FZ0373CEZZ	J	0.033 250V Mylar	AC
C883	VCQYTA1HM472J	J	4700p 50V Mylar	AB
C884	RC-FZ0373CEZZ	J	0.033 250V Mylar	AC
C885	VCQYTA1HM472J	J	4700p 50V Mylar	AB

RESISTORS

[M-Ox... Metal Oxide]

R850	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R851	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R852	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R853	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R855	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R856	VRD-RA2EE680J	J	68 1/4W Carbon	AA
R863	VRS-SV2HC122J	J	1.2k 1/2W M-Ox.	AA
R866	VRS-SV2HC122J	J	1.2k 1/2W M-Ox.	AA
R868	VRS-SV2HC122J	J	1.2k 1/2W M-Ox.	AA
R872	VRS-SV2HC272J	J	2.7k 1/2W M-Ox.	AA
R875	VRS-SV2HC272J	J	2.7k 1/2W M-Ox.	AA
R876	VRS-SV2HC272J	J	2.7k 1/2W M-Ox.	AA
R877	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R878	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R879	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
△ R880	VRS-VV3DB823J	J	82k 2W M-Ox.	AA
△ R883	VRS-VV3DB823J	J	82k 2W M-Ox.	AA
△ R884	VRS-VV3DB823J	J	82k 2W M-Ox.	AA
R888	VRC-MA2HG152K	J	1.5k 1/2W Solid	AA
△ R890	VRS-SV2HC120J	J	12 1/2W M-Ox.	AA
R891	VRC-MA2HG152K	J	1.5k 1/2W Solid	AA
R893	VRD-RM2HD224J	J	220k 1/2W Carbon	AA
R894	VRC-MA2HG152K	J	1.5k 1/2W Solid	AA
R895	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R896	VRD-RA2BE182J	J	1.8k 1/8W Carbon	AA
R897	VRD-RA2BE154J	J	150k 1/8W Carbon	AA
R898	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R899	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1532	VRS-RG2HC560J	M	56 1/2W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
PWB-B: DUNTK9835WEK2(27L-X2000, CL27X200)				
CRT UNIT (Continued)				

MISCELLANEOUS PARTS

P850	QPLGN0561CEZZ	J	Plug, 5-pin(GBN)	AB
P851	QPLGN0361CEZZ	J	Plug, 3-pin(PA)	AB
P855	QPLGN0461CEZZ	J	Plug, 4-pin(YBN)	AB
SC851	QSOCV0937CEZZ	J	CRT Socket	AL

PWB-H: DUNTK9310WEK1				
FRONT AV UNIT				

MISCELLANEOUS PARTS

J1001	QJAKE0053GEZZ	J	Jack, Video in	AD
J1002	QJAKE0055GEZZ	J	Jack, Audio in (L)	AD
J1003	QJAKE0059GEZZ	J	Jack, Audio in (R)	AC
P1001	QPLGN0541CEZZ	J	Plug, 5-pin (HA)	AB

Ref. No.	Part No.	★	Description	Code
PWB-K: DUNTK9641WEK1(27L-S500, CL27S50)				
PWB-K: DUNTK9641WEK2(27L-X2000, CL27X200)				
SUB UNIT				

TUNER

**NOTE: THE PARTS HERES SHOWN ARE SUPPLIED
AS AN ASSEMBLY BUT NOT INDEPENDENTLY.**

△ TU51	VTUVTBT5UB202	M	Tuner B	AZ
△ TU71	VTUVTBT5UR202	M	Tuner A	AZ

INTEGRATED CIRCUITS

IC351	VHiTDA7233/-1	J	TDA7233	AF
IC352	VHiTDA7233/-1	J	TDA7233	AF
△ IC771	VHiKA7809Pi-1	M	KIA7809PI	AE
IC791	VHiKA7805Pi-1	M	KIA7805PI	AE
IC1501	VHiM24C16B/-1	J	M24C16-BN6	AG
IC3001	VHiCXA2074Q-1	J	CXA2074Q	AY

TRANSISTORS

You can substitute "VS2SC2462-C-1" for "VS2SD601AR/-1".

Q61	VS2SB709AR/-1	J	2SB709AR	AC
	or			
	VS2SA812-M51E			
Q62	VS2SB709AR/-1	J	2SB709AR	AC
	or			
	VS2SA812-M51E			
Q63	VS2SD601AR/-1	J	2SD601AR	AC
Q81	VS2SB709AR/-1	J	2SB709AR	AC
	or			
	VS2SA812-M51E			
Q82	VS2SB709AR/-1	J	2SB709AR	AC
	or			
	VS2SA812-M51E			
Q83	VS2SD601AR/-1	J	2SD601AR	AC
Q351	VS2SD601AR/-1	J	2SD601AR	AC
Q352	VS2SD601AR/-1	J	2SD601AR	AC
Q901	VS2SD601AR/-1	J	2SD601AR	AC
Q902	VS2SD601AR/-1	J	2SD601AR	AC
Q903	VS2SD601AR/-1	J	2SD601AR	AC
Q904	VS2SD601AR/-1	J	2SD601AR	AC
Q905	VS2SD601AR/-1	J	2SD601AR	AC
Q906	VS2SD601AR/-1	J	2SD601AR	AC

DIODES

You can substitute "RH-DX0475CEZZ" for "VHD1SS119//--1".

D52	RH-EX0673GEZZ	J	Zener Diode, 32V	AB
D75	RH-EX0673GEZZ	J	Zener Diode, 32V	AB
△ D771	RH-DX0441CEZZ	J	Diode	AC
△ D772	RH-DX0441CEZZ	J	Diode	AC
△ D773	RH-DX0441CEZZ	J	Diode	AC
△ D774	RH-DX0441CEZZ	J	Diode	AC

TRANSFORMERS

△ T771	RTRNP0533CEZZ	M	Power (27L-S500, 27L-X2000)	AL
△ T771	RTRNP0549CEZZ	M	Power (CL27S50, CL27X200)	AM
	or			
	RTRNP0516CEZZ			

CAPACITORS

[EL... Electrolytic]

C52	VCEA0A1CW108M	J	1000 16V	EL.	AD
C54	VCEA0A1HW105M	J	1.0 50V	EL.	AB
C61	RC-QZA473TAYJ	J	0.047 50V	Mylar	AB
C62	VCEA0A1HW105M	J	1.0 50V	EL.	AB
C63	RC-QZA472TAYJ	J	4700P 50V	Mylar	AB
C72	VCEA0A1CW108M	J	1000 16V	EL.	AD
C75	VCEA0A1HW105M	J	1.0 50V	EL.	AB
C81	RC-QZA473TAYJ	J	0.047 50V	Mylar	AB
C82	VCEA0A1HW105M	J	1.0 50V	EL.	AB
C83	RC-QZA472TAYJ	J	4700P 50V	Mylar	AB
C351	VCKYCY1HB392K	J	3900p 50V	Ceramic	AA
C352	VCEA0A1CW107M	J	100 16V	EL.	AC
C353	VCEA0A1CW337M	J	330 16V	EL.	AC
C354	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB

Ref. No. Part No. ★ Description Code

PWB-K: DUNTK9641WEK1(27L-S500, CL27S50)

PWB-K: DUNTK9641WEK2(27L-X2000, CL27X200)

SUB UNIT (Continued)

C355	VCEA0A1CW226M	J 22	16V	EL.	AB
C356	VCKYCY1HB392K	J 3900p	50V	Ceramic	AA
C357	VCEA0A1CW107M	J 100	16V	EL.	AC
C358	VCEA0A1CW337M	J 330	16V	EL.	AC
C359	VCKYCY1CB104K	J 0.1	16V	Ceramic	AB
C360	VCEA0A1CW226M	J 22	16V	EL.	AB
C362	VCEA0A1CW476M	J 47	16V	EL.	AB
C363	VCEA0A1CW477M	J 470	16V	EL.	AC
C771	VCEA0A1VW108M	J 1000	35V	EL.	AD
C791	VCEA0A1HW106M	J 10	50V	EL.	AB
C792	VCEA0A1HW106M	J 10	50V	EL.	AB
C901	VCE9GA1HW335M	J 3.3	50V	EL.(N.P)	AB
C902	VCEA0A1CW337M	J 330	16V	EL.	AC
C903	VCE9GA1HW335M	J 3.3	50V	EL.(N.P)	AB
C908	VCEA0A1HW225M	J 2.2	50V	EL.	AB
C909	VCEA0A1HW225M	J 2.2	50V	EL.	AB
C912	VCEA0A1CW336M	J 33	16V	EL.	AB
C1501	VCKYCY1HF103Z	J 0.01	50V	Ceramic	AA
C1502	VCEA0A1HW106M	J 10	50V	EL.	AB
C3001	VCE9GA1HW475M	J 4.7	50V	EL.(N.P)	AB
C3002	VCKYCY1HB562K	J 5600p	50V	Ceramic	AA
C3003	RC-QZA123TAYK	J 0.012	50V	Mylar	AB
C3004	VCEA0A1HW105M	J 1.0	50V	EL.	AB
C3005	VCE9GA1HW475M	J 4.7	50V	EL.(N.P)	AB
C3006	VCEA0A1HW106M	J 10	50V	EL.	AB
C3007	VCEA0A1HW475M	J 4.7	50V	EL.	AB
C3008	VCKYCY1HF103Z	J 0.01	50V	Ceramic	AA
C3009	VCEA0A1CW227M	J 220	16V	EL.	AC
C3010	VCE9GA1HW475M	J 4.7	50V	EL.(N.P)	AB
C3011	VCEA0A1HW475M	J 4.7	50V	EL.	AB
C3012	VCE9GA1HW475M	J 4.7	50V	EL.(N.P)	AB
C3013	VCKYCY1HB272K	J 2700p	50V	Ceramic	AA
C3014	RC-QZA473TAYK	J 0.047	50V	Mylar	AB
C3015	VCSATA1CE335K	J 3.3	16V	Tantalum	AC
C3016	VCE9GA1HW475M	J 4.7	50V	EL.(N.P)	AB
C3017	VCSATA1CE106K	J 10	16V	Tantalum	AD
C3018	VCEA0A1HW105M	J 1.0	50V	EL.	AB
C3025	VCKYCY1CB473K	J 0.047	16V	Ceramic	AA
C3027	VCKYCY1CB473K	J 0.047	16V	Ceramic	AA
C3029	VCKYCY1HB682K	J 6800p	50V	Ceramic	AA
C3030	VCKYCY1HB682K	J 6800p	50V	Ceramic	AA

RESISTORS*[M-Ox.... Metal Oxide]*

RJ3	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ4	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ10	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ11	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ12	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ14	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ15	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ17	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ18	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ20	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ23	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ24	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ25	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
(27L-S500, CL27S50)					
RJ26	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
(27L-S500, CL27S50)					
RJ29	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ31	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ32	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
RJ33	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
R51	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA
R52	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
R53	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
R54	VRD-RA2BE1R0J	J 1.0	1/8W	Carbon	AA
R56	VRS-RG3LB333J	J 33k	3.0W	M-Ox.	AC
R61	VRS-CY1JF102J	J 1.0k	1/16W	M-Ox.	AA
R62	VRS-CY1JF102J	J 1.0k	1/16W	M-Ox.	AA
R63	VRS-CY1JF151J	J 150	1/16W	M-Ox.	AA

R64	VRS-CY1JF122J	J 1.2k	1/16W	M-Ox.	AA
R65	VRS-CY1JF684J	J 680k	1/16W	M-Ox.	AA
R66	VRS-CY1JF122J	J 1.2k	1/16W	M-Ox.	AA
R67	VRS-CY1JF223J	J 22k	1/16W	M-Ox.	AA
R68	VRS-CY1JF153J	J 15k	1/16W	M-Ox.	AA
R74	VRD-RA2BE1R0J	J 1.0	1/8W	Carbon	AA
R77	VRS-RG3LB333J	J 33k	3.0W	M-Ox.	AC
R78	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
R79	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
R81	VRS-CY1JF102J	J 1.0k	1/16W	M-Ox.	AA
R82	VRS-CY1JF102J	J 1.0k	1/16W	M-Ox.	AA
R83	VRS-CY1JF151J	J 150	1/16W	M-Ox.	AA
R84	VRS-CY1JF122J	J 1.2k	1/16W	M-Ox.	AA
R85	VRS-CY1JF684J	J 680k	1/16W	M-Ox.	AA
R86	VRS-CY1JF122J	J 1.2k	1/16W	M-Ox.	AA
R87	VRS-CY1JF223J	J 22k	1/16W	M-Ox.	AA
R88	VRS-CY1JF153J	J 15k	1/16W	M-Ox.	AA
R351	VRD-RA2BE223J	J 22k	1/8W	Carbon	AA
R352	VRS-CY1JF472J	J 4.7k	1/16W	M-Ox.	AA
R353	VRS-CY1JF472J	J 4.7	1/16W	M-Ox.	AA
R354	VRD-RA2BE152J	J 1.5k	1/8W	Carbon	AA
R355	VRS-CY1JF223J	J 22k	1/16W	M-Ox.	AA
R356	VRS-CY1JF472J	J 4.7k	1/16W	M-Ox.	AA
R357	VRS-CY1JF472J	J 4.7	1/16W	M-Ox.	AA
R358	VRD-RA2BE152J	J 1.5k	1/8W	Carbon	AA
△ R771	VRS-RG3LB560J	M 56	3.0W	M-Ox.	AB
R791	VRS-RG3AB470J	J 47	1W	M-Ox.	AA
R792	VRS-RG3LB820J	J 82	3.0W	M-Ox.	AA
R901	VRS-CY1JF331J	J 330	1/16W	M-Ox.	AA
R903	VRS-CY1JF102J	J 1.0k	1/16W	M-Ox.	AA
R904	VRS-CY1JF683J	J 68k	1/16W	M-Ox.	AA
R905	VRS-CY1JF223J	J 22k	1/16W	M-Ox.	AA
(27L-S500, CL27S50)					
R905	VRS-CY1JF183J	J 18k	1/16W	M-Ox.	AA
(27L-X2000, CL27X200)					
R906	VRS-CY1JF392J	J 3.9k	1/16W	M-Ox.	AA
(27L-S500, CL27S50)					
R906	VRS-CY1JF472J	J 4.7k	1/16W	M-Ox.	AA
(27L-X2000, CL27X200)					
R907	VRS-CY1JF182J	J 1.8k	1/16W	M-Ox.	AA
(27L-S500, CL27S50)					
R907	VRS-CY1JF152J	J 1.5k	1/16W	M-Ox.	AA
(27L-X2000, CL27X200)					
R908	VRS-CY1JF102J	J 1.0k	1/16W	M-Ox.	AA
R910	VRS-CY1JF102J	J 1.0k	1/16W	M-Ox.	AA
R911	VRS-CY1JF683J	J 68k	1/16W	M-Ox.	AA
R912	VRS-CY1JF223J	J 22k	1/16W	M-Ox.	AA
(27L-S500, CL27S50)					
R912	VRS-CY1JF183J	J 18k	1/16W	M-Ox.	AA
(27L-X2000, CL27X200)					
R913	VRS-CY1JF392J	J 3.9k	1/16W	M-Ox.	AA
(27L-S500, CL27S50)					
R913	VRS-CY1JF472J	J 4.7k	1/16W	M-Ox.	AA
(27L-X2000, CL27X200)					
R914	VRS-CY1JF182J	J 1.8k	1/16W	M-Ox.	AA
(27L-S500, CL27S50)					
R914	VRS-CY1JF152J	J 1.5k	1/16W	M-Ox.	AA
(27L-X2000, CL27X200)					
R915	VRS-CY1JF102J	J 1.0k	1/16W	M-Ox.	AA
R916	VRS-CY1JF683J	J 68k	1/16W	M-Ox.	AA
R917	VRS-CY1JF332J	J 3.3k	1/16W	M-Ox.	AA
R918	VRS-CY1JF332J	J 3.3k	1/16W	M-Ox.	AA
R1501	VRD-RA2BE101J	J 100	1/8W	Carbon	AB
R1502	VRD-RA2BE101J	J 100	1/8W	Carbon	AB
R2401	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
R2402	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
R2403	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
R2404	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
R3001	VRS-CY1JF101J	J 100	1/16W	M-Ox.	AA
R3002	VRD-RA2BE101J	J 100	1/8W	Carbon	AB
R3003	VRS-CY1JF105J	J 1.0M	1/16W	M-Ox.	AA
R3004	VRS-CY1JF104J	J 100k	1/16W	M-Ox.	AA
R3005	VRS-CY1JF623J	J 62k	1/16W	M-Ox.	AA
R3007	VRS-CY1JF332J	J 3.3k	1/16W	M-Ox.	AA
R3008	VRS-CY1JF302J	J 3.0k	1/16W	M-Ox.	AA
R3010	VRS-CY1JF392J	J 3.9k	1/16W	M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
PWB-K: DUNTK9641WEK1(27L-S500, CL27S50)				
PWB-K: DUNTK9641WEK2(27L-X2000, CL27X200)				
SUB UNIT (Continued)				

R3011	VRD-RA2BE102J	J	1.0k 1/8W	Carbon	AA
R3012	VRD-RA2BE102J	J	1.0k 1/8W	Carbon	AA
R3104	VRS-CY1JF102J	J	1.0k 1/16W	M-Ox.	AA

MISCELLANEOUS PARTS

P771	QPLGN0304CEZZ	J	Plug, 3-pin (L)		AB
P902	QPLGN0461CEZZ	J	Plug, 4-pin (S)		AB
P1501	QPLGN0361CEZZ	J	Plug, 3-pin (KF)		AB
P2401	QPLGN0561CEZZ	J	Plug, 5-pin		AB
P3001	QPLGN0461CEZZ	J	Plug, 4-pin (KA)		AB
			(27L-S500, CL27S50)		
P3001	QPLGN0761CEZZ	J	Plug, 7-pin (KA)		AD
			(27L-X2000, CL27X200)		
P3002	QPLGN0761CEZZ	J	Plug, 7-pin (KB)		AD
P3003	QPLGN0761CEZZ	J	Plug, 7-pin (KC)		AD
P3004	QPLGN0561CEZZ	J	Plug, 5-pin (KD)		AB
P3005	QPLGN0361CEZZ	J	Plug, 3-pin (KE)		AB
P3006	QPLGN0241CEZZ	J	Plug, 2-pin (KG)		AA
P3007	QPLGN0361CEZZ	J	Plug, 3-pin (KJ)		AB
P3009	QPLGN0361CEZZ	J	Plug, 3-pin (KH)		AB
SC3201	QSOCN0685CEZZ	J	Socket, 6-pin (LA)		AC
			(27L-X2000, CL27X200)		
SC3202	QSOCN0685CEZZ	J	Socket, 6-pin (LB)		AC
			(27L-X2000, CL27X200)		
HM1501	LX-GZ3001PEZZ	M	Screw		AB
HM1502	LX-GZ3001PEZZ	M	Screw		AB
HM1503	LX-GZ3001PEZZ	M	Screw		AB
HM1504	LX-GZ3001PEZZ	M	Screw		AB
RDA771	PRDAR5072CEFW	J	Heat Sink, for IC771		AC
	LX-BZ3049GEFD	J	Screw		AA

Ref. No.	Part No.	★	Description	Code
PWB-L: DUNTK9657WEK0(27L-X2000, CL27X200)				
SURROUND UNIT				

INTEGRATED CIRCUITS

IC3201	VHiAN5285K/-1	J	AN5285K		AP
IC3301	VHiNJM2178M-1	J	NJM2178M		AR

CAPACITORS*[EL.... Electrolytic]*

C3201	VCE9GA1HW475M	J	4.7 50V	EL.(N.P)	AB
C3202	VCEA0A1HW106M	J	10 50V	EL.	AB
C3203	VCEA0A1HW475M	J	4.7 50V	EL.	AB
C3204	VCEA0A1HW106M	J	10 50V	EL.	AB
C3205	VCEA0A1HW106M	J	10 50V	EL.	AB
C3206	VCKYCY1HB103K	J	0.01 50V	Ceramic	AA
C3207	VCE9GA1HW475M	J	4.7 50V	EL.(N.P)	AB
C3208	VCE9GA1HW475M	J	4.7 50V	EL.(N.P)	AB
C3209	VCE9GA1HW475M	J	4.7 50V	EL.(N.P)	AB
C3301	VCKYCY1CB273K	J	0.027 16V	Ceramic	AA
C3302	VCKYCY1HB472K	J	4700p 50V	Ceramic	AA
C3303	VCKYCY1HB471K	J	470p 50V	Ceramic	AA
C3304	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB
C3305	VCKYCY1HB153K	J	0.015 50V	Ceramic	AA
C3306	VCKYCY1HB222K	J	2200p 50V	Ceramic	AA
C3307	VCKYCY1HB472K	J	4700p 50V	Ceramic	AA
C3308	VCFYSA1HB474J	J	0.47 50V	Mylar	AC
C3309	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB
C3310	VCKYCY1HB103K	J	0.01 50V	Ceramic	AA
C3311	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB
C3312	VCKYCY1HB103K	J	0.01 50V	Ceramic	AA
C3313	VCKYCY1CB104K	J	0.1 16V	Ceramic	AB
C3314	VCKYCY1HB103K	J	0.01 50V	Ceramic	AA
C3315	VCEA0A1CW107M	J	100 16V	EL.	AC
C3316	VCEA0A1HW106M	J	10 50V	EL.	AB
C3317	VCEA0A1HW106M	J	10 50V	EL.	AB
C3318	VCE9GA1HW475M	J	4.7 50V	EL.(N.P)	AB
C3319	VCE9GA1HW475M	J	4.7 50V	EL.(N.P)	AB
C3320	VCEA0A1HW106M	J	10 50V	EL.	AB
C3321	VCFYSA1HB474J	J	0.47 50V	Mylar	AC
C3322	RC-QZA472TAYJ	J	4700P 50V	Mylar	AB
C3323	VCFYSA1HB474J	J	0.47 50V	Mylar	AC

RESISTORS*[M-Ox.... Metal Oxide]*

RJ31	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA
RJ32	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA
RJ33	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA
RJ34	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA
RJ35	VRS-CY1JF000J	J	0 1/16W	M-Ox.	AA
R3201	VRS-CY1JF225J	J	2.2M 1/16W	M-Ox.	AA
R3202	VRS-CY1JF103J	J	10k 1/16W	M-Ox.	AA
R3203	VRD-RA2BE103J	J	10k 1/8W	Carbon	AA
R3301	VRS-CY1JF103J	J	10k 1/16W	M-Ox.	AA
R3302	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R3303	VRS-CY1JF103J	J	10k 1/16W	M-Ox.	AA
R3304	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R3305	VRS-CY1JF103J	J	10k 1/16W	M-Ox.	AA
R3306	VRS-CY1JF104J	J	100k 1/16W	M-Ox.	AA
R3307	VRS-CY1JF103J	J	10k 1/16W	M-Ox.	AA
R3308	VRD-RA2BE103J	J	10k 1/8W	Carbon	AA
R3311	VRS-CY1JF822J	J	8.2k 1/16W	M-Ox.	AA
R3312	VRS-CY1JF272J	J	2.7k 1/16W	M-Ox.	AA
R3313	VRS-CY1JF222J	J	2.2k 1/16W	M-Ox.	AA
R3314	VRS-CY1JF623J	J	62k 1/16W	M-Ox.	AA
R3315	VRS-CY1JF682J	J	6.8k 1/16W	M-Ox.	AA
R3316	VRS-CY1JF333J	J	33k 1/16W	M-Ox.	AA
R3317	VRS-CY1JF473J	J	47k 1/16W	M-Ox.	AA
R3318	VRS-CY1JF392J	J	3.9k 1/16W	M-Ox.	AA
R3319	VRS-CY1JF432J	J	4.3k 1/16W	M-Ox.	AA
R3320	VRS-CY1JF152J	J	1.5k 1/16W	M-Ox.	AA
R3321	VRS-CY1JF114J	J	110k 1/16W	M-Ox.	AA
R3322	VRS-CY1JF102J	J	1.0k 1/16W	M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
PWB-L: DUNTK9657WEK0(27L-X2000, CL27X200)				
SURROUND UNIT (Continued)				

MISCELLANEOUS PARTS

P3201	QPLGN0685CEZZ	J	Plug, 6-pin (LA)	AA
P3202	QPLGN0685CEZZ	J	Plug, 6-pin (LB)	AA

Ref. No.	Part No.	★	Description	Code
PWB-R: DUNTK9642WEK0				
P-IN-P UNIT				

INTEGRATED CIRCUIT

IC1801	VHiM65667FP-2	M	M65667FP	BB
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TRANSISTORS

You can substitute "VS2SC2412-C-1" or "VS2SC2462-C-1" for "VS2SD601AR/-1".

Q1861	VS2SB709AR/-1	J	2SB709AR	AC
	or			
	VS2SA1037KR-1			
Q1881	VS2SD601AR/-1	J	2SD601AR	AC
Q1882	VS2SD601AR/-1	J	2SD601AR	AC
Q1883	VS2SD601AR/-1	J	2SD601AR	AC
Q1921	VS2SD601AR/-1	J	2SD601AR	AC
Q1941	VS2SB709AR/-1	J	2SB709AR	AC
	or			
	VS2SA1037KR-1			
Q1942	VS2SB709AR/-1	J	2SB709AR	AC
	or			
	VS2SA1037KR-1			
Q1991	VS2SC1959Y/1E	J	2SC1959(Y)	AC

DIODES

You can substitute "RH-DX0475CEZZ" for "VHD1SS119//-1".

D1801	VHD1SS119//-1	J	Diode	AB
D1821	VHD1SS119//-1	J	Diode	AB
D1991	RH-EX0604GEZZ	J	Zener Diode, 3.9V	AB

PACKAGED CIRCUIT

X1861	RCRSB0241CEZZ	M	Crystal	AE
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COILS

L1801	VP-XF100K0000	J	Peaking 10μH	AB
L1821	VP-XF100K0000	J	Peaking 10μH	AB
L1861	VP-XF100K0000	J	Peaking 10μH	AB
L1862	VP-XF100K0000	J	Peaking 10μH	AB
L1863	VP-XF100K0000	J	Peaking 10μH	AB
L1881	VP-XFR27K0000	J	Peaking 0.27μH	AB
L1882	VP-XFR27K0000	J	Peaking 0.27μH	AB
L1921	VP-XF680K0000	J	Peaking 68μH	AB
L1941	VP-XFR27K0000	J	Peaking 0.27μH	AB
L1981	VP-XFR27K0000	J	Peaking 0.27μH	AB

CAPACITORS

[EL.... Electrolytic]

C1801	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1802	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1803	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1804	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C1805	VCEA0A1HW106M	J	10	50V	EL.	AB
C1806	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1807	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1809	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1810	VCEA0A1CW226M	J	22	16V	EL.	AB
C1811	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C1812	VCEA0A1HW106M	J	10	50V	EL.	AB
C1821	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C1822	VCEA0A1HW106M	J	10	50V	EL.	AB
C1826	VCKYCY1HB272K	J	2700p	50V	Ceramic	AA
C1841	VCEA0A1HW106M	J	10	50V	EL.	AB
C1842	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C1843	VCCCCY1HH680J	J	68p	50V	Ceramic	AA
C1845	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1846	VCCCCY1HH151J	J	150p	50V	Ceramic	AA
C1847	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1848	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1849	VCEA0A1HW106M	J	10	50V	EL.	AB
C1850	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1851	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C1861	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1862	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1863	VCCCCY1HH101J	J	100p	50V	Ceramic	AA

Ref. No.	Part No.	★	Description	Code
PWB-R: DUNTK9642WEK0				
P-IN-P UNIT (Continued)				
C1865	RC-QZA154TAYJ	J	0.15 50V Mylar	AC
C1866	RC-QZA103TAYJ	J	0.01 50V Mylar	AB
C1867	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C1868	VCFYSA1HB474J	J	0.47 50V Mylar	AC
C1869	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C1870	VCEA0A1HW106M	J	10 50V EL.	AB
C1871	VCEA0A1HW106M	J	10 50V EL.	AB
C1872	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C1921	VCE9GA1CW106M	J	10 16V EL.(N.P)	AB
C1922	VCCCY1HH330J	J	33p 50V Ceramic	AA
C1923	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C1941	RC-QZA473TAYJ	J	0.047 50V Mylar	AB
C1942	VCEA0A1HW105M	J	1.0 50V EL.	AB
C1943	RC-QZA472TAYJ	J	4700P 50V Mylar	AB
C1991	VCEA0A1AW107M	J	100 10V EL.	AB
C1992	VCEA0A1AW107M	J	100 10V EL.	AB

RESISTORS*[M-Ox.... Metal Oxide]*

RJ1	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ2	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ3	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ4	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ8	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ9	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ11	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ12	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
RJ13	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
R1801	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R1821	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1822	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1823	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA
R1825	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA
R1828	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R1831	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R1832	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R1833	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R1834	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1841	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R1842	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA
R1843	VRS-CY1JF391J	J	390 1/16W M-Ox.	AA
R1861	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R1862	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1863	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1864	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA
R1865	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA
R1866	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R1867	VRS-CY1JF202J	J	2.0k 1/16W M-Ox.	AA
R1868	VRS-CY1JF510J	M	51 1/16W M-Ox.	AA
R1871	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1872	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA
R1881	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R1882	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1883	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
R1884	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1885	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R1886	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1887	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
R1889	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1921	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R1922	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1923	VRS-CY1JF822J	J	8.2k 1/16W M-Ox.	AA
R1924	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R1925	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA
R1941	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R1942	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R1943	VRS-CY1JF151J	J	150 1/16W M-Ox.	AA
R1944	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
R1945	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA
R1946	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R1947	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R1991	VRD-RA2BE151J	J	150 1/8W Carbon	AA

Ref. No.	Part No.	★	Description	Code
MISCELLANEOUS PARTS				
P1901	QPLGZ0810CEZZ	J	Plug, 8-pin	AD
P1902	QPLGZ0610CEZZ	J	Plug, 6-pin	AB
P1903	QPLGZ0810CEZZ	J	Plug, 8-pin	AD
SLD1801	PSLDM0012MEFW	M	Shield	AB
	PSLDM0016MEFW	M	Shield	AB

Ref. No.	Part No.	★	Description	Code
MISCELLANEOUS PARTS				
△ ACC701	QACCD3065CESA	M	AC Cord	AN
	QCNW-0137MEZZ	M	Connecting Cord	AH
	QCNW-0196MEZZ	M	Connecting Cord	AC
	QCNW-0197MEZZ	M	Connecting Cord (27L-S500, CL27S50)	AC
	QCNW-0198MEZZ	M	Connecting Cord	AF
	QCNW-0199MEZZ	M	Connecting Cord	AE
	QCNW-0200MEZZ	M	Connecting Cord (27L-X2000, CL27X200)	AD
	QCNW-0201MEZZ	M	Connecting Cord	AD
	QCNW-0202MEZZ	M	Connecting Cord	AD
	QCNW-0203MEZZ	M	Connecting Cord	AD
	QCNW-0204MEZZ	M	Connecting Cord	AD
	QCNW-0205MEZZ	M	Connecting Cord	AD
	QCNW-0206MEZZ	M	Connecting Cord	AF
	QCNW-0210MEZZ	M	Connecting Cord	AC
	QCNW-0211MEZZ	M	Connecting Cord	AC
	QCNW-0245MEZZ	M	Connecting Cord (27L-S500, CL27S50)	AC
	QCNW-0247MEZZ	M	Connecting Cord	AC
	QCNW-0248MEZZ	M	Connecting Cord (27L-X2000, CL27X200)	AC
	QCNW-0249MEZZ	M	Connecting Cord (27L-X2000, CL27X200)	AC
SP1	VSP0080PBM98A	M	Speaker, 8ohm (L)	AN
SP2	VSP0080PBM98A	M	Speaker, 8ohm (R)	AN

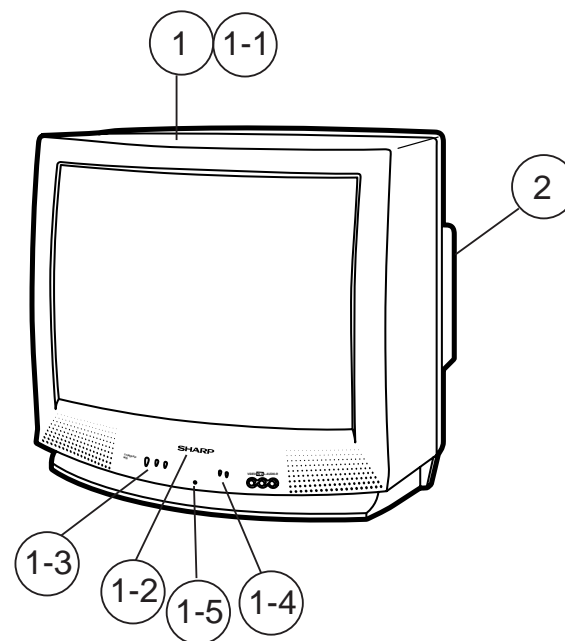
Ref. No.	Part No.	★	Description	Code
CABINET PARTS				
27L-S500, CL27S50				
1	CCABA1317MES0	M	Front Cabinet Ass'y	BG
1-1	Not Available	—	Front Cabinet	—
1-2	HBDGB1009MESA	M	Badge, "SHARP"	AD
1-3	JBTN-1101MEKA	M	Button, Power, Vol-up/down	AD
1-4	JBTN-1102MEKA	M	Button, CH-up/down	AD
1-5	GCOVA1033MEKA	M	Cover for R/C	AD
2	GCABB1152MEKA	M	Rear Cabinet	BB
27L-X2000, CL27X200				
1	CCABA1318MES0	M	Front Cabinet Ass'y	BF
1-1	Not Available	—	Front Cabinet	—
1-2	HBDGB1009MESA	M	Badge, "SHARP"	AD
1-3	JBTN-1101MEKA	M	Button, Power, Vol-up/down	AD
1-4	JBTN-1102MEKA	M	Button, CH-up/down	AD
1-5	GCOVA1033MEKA	M	Cover for R/C	AD
2	GCABB1152MEKA	M	Rear Cabinet	BB

SUPPLIED ACCESSORIES

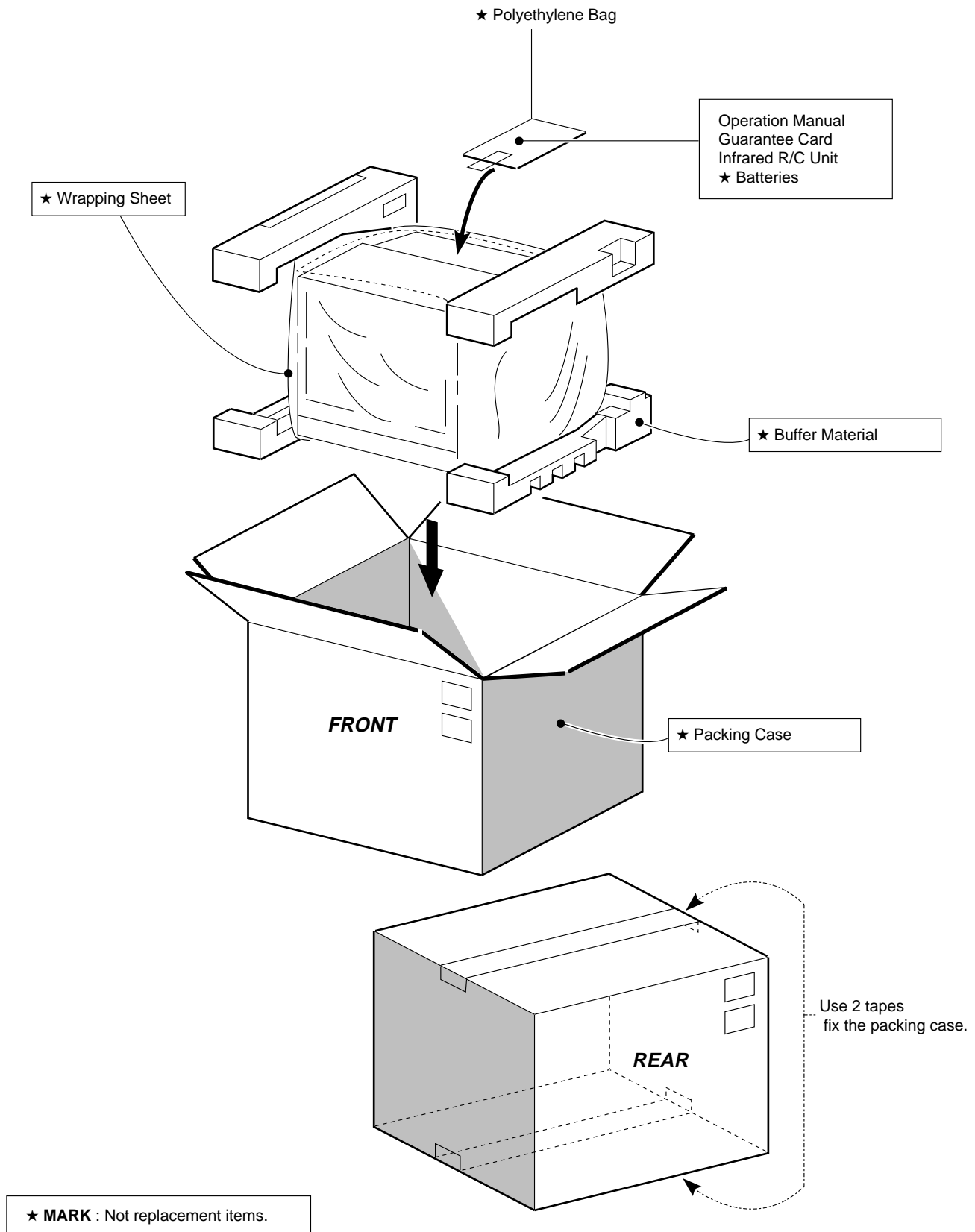
TGAN-1006MEZZ	M	Guarantee Card	AA
TINS-6605MEZZ	M	Operation Manual (27L-S500, CL27S50)	AE
TINS-6606MEZZ	M	Operation Manual (27L-X2000, CL27X200)	AE
RRMCG1494CESA	M	Infrared R/C Unit (27L-S500, CL27S50)	AU
RRMCG1419CESA	M	Infrared R/C Unit (27L-X2000, CL27X200)	AU

PACKING PARTS (NOT REPLACEMENT ITEM)

SPAKC0639MEZZ	—	Packing Case (27L-S500, CL27S50)	—
SPAKC0640MEZZ	—	Packing Case (27L-X2000, CL27X200)	—
SPAKX0165MEZZ	—	Buffer Material	—
SSAKA0004MEZZ	—	Wrapping Sheet	—



PACKING OF THE SET



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